

20010712.qrp v02_n248.qrl.20010712

Date: Thu, 12 Jul 2001 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2248

QRP-L Digest 2248

Topics covered in this issue include:

- 1) [102255] Re: My Apology to EE's
by "Dennis Payton" <dpayton@fwi.com>
- 2) [102256] Re: List Manager
by "Paul Harden, NA5N" <na5n@rt66.com>
- 3) [102257] Re: re. Apology to EEs
by "Brian Murrey" <bmurrey@amexol.net>
- 4) [102258] test equip op manuals
by "K. Babcock" <n8wvd@jackpine.com>
- 5) [102259] Re: My Apology to EE's
by "John A. Evans - N0HJ" <jaevalms@codenet.net>
- 6) [102260] Re: My Apology to EE's
by "John Dorson" <JDORSON@worldshare.net>
- 7) [102261] Re: Receiver questions/ LM386
by "Tom Bowman" <tbowman@nbn.net>
- 8) [102262] Re: My Apology to EE's
by "John Dorson" <JDORSON@worldshare.net>
- 9) [102263] Re: re. Apology to EEs
by Bruce Muscolino <w6toy@erols.com>
- 10) [102264] Re: Laura.....
by Jeffrey L Greer <wd4et@juno.com>
- 11) [102265] Re: My Apology to EE's
by "Ken Kirkley" <ogbc@mindspring.com>
- 12) [102266] NEQRP CW Net, Thursday, 12 July, 8:30 PM EDT, 3.565MHz
by Chuck Ludinsky <cjl@mitre.org>
- 13) [102267] Re: My Apology to EE's
by "ZOOM" <kandrparker@sympatico.ca>
- 14) [102268] Key and bug in "13 Days"
by n5ib@juno.com
- 15) [102269] Re: Polarized Capacitor Question
by "Ingo DK3RED" <dk3red@t-online.de>
- 16) [102270] Re: My Apology to EE's
by George Franklin <w0av@juno.com>
- 17) [102271] Fox- NW7DX is fox'n it out! Thursday Night!
by BenNW7DX@aol.com
- 18) [102272] Win 3.1 rig control software
by Andrew Madsen <andrew@utahdesign.com>
- 19) [102273] Re: Win 3.1 rig control software

- by Andrew Madsen <andrew@utahdesign.com>
- 20) [102274] Re: My Apology to EE's
by "Denis Englander" <ko6gf@slip.net>
- 21) [102275] Use the Private reply
by "Phil (VA3UX)" <phil@vaxxine.com>
- 22) [102276] Possible Loop ant and LDG Z-11 QRP Auto Tuner
by "Alyn Backe" <va6cw@look.ca>
- 23) [102277] Alright Already!
by "Randall Jouett" <rules@bellsouth.net>
- 24) [102278] Re: My Apology to EE's
by "Randall Jouett" <rules@bellsouth.net>
- 25) [102279] Re: List Manager
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 26) [102280] Quasi Apology to EE's
by "Phil (VA3UX)" <phil@vaxxine.com>
- 27) [102281] Re: My Apology to EE's
by "Randall Jouett" <rules@bellsouth.net>
- 28) [102282]
by "Phil (VA3UX)" <phil@vaxxine.com>
- 29) [102283] 40 meter sch
by DENNIS SMITH <ne4o@swbell.net>
- 30) [102284] Re: 6 meters on the Sierra?
by "Randy Joiner" <biggman@accucomm.net>
- 31) [102285] Re: Polarized Capacitor Question
by "Phil (VA3UX)" <phil@vaxxine.com>
- 32) [102286] Norcal BLT
by "Paul Christensen" <paulc@mediaone.net>
- 33) [102287] Re: Moderation of this list, its time
by "Dave Fifield" <ad6a@earthlink.net>
- 34) [102288] 6m website
by John Wagner <john@neknetwork.com>
- 35) [102289] Re:
by "Randall Jouett" <rules@bellsouth.net>
- 36) [102290] NorCal BLT
by "Mark Sailer" <n2jtw@yahoo.com>
- 37) [102291] Re:40 meter sch
by NOBN@aol.com
- 38) [102292] Re: Norcal BLT
by "Paul Christensen" <paulc@mediaone.net>
- 39) [102293] DSP Program
by "ZOOM" <kandrparker@sympatico.ca>
- 40) [102294] What Level of Receiver Performance is Required?
by "James R. Duffey" <jamesd1@flash.net>
- 41) [102295] FT-817 Reverse Power Protection ?
by "Michael Melland" <w9wis@charter.net>
- 42) [102296] Re: Lawrah
by "Dave Fifield" <ad6a@earthlink.net>
- 43) [102297] Re: 2M QRP rig Design

- by "Caitlyn M. Martin" <ku4qd@qsl.net>
- 44) [102298] DSP Link
by "ZOOM" <kandrparker@sympatico.ca>
- 45) [102299] Re: 40 meter sch
by Bryn Joynes <bryn@pcpractice.com>
- 46) [102300] Elmering (was Re: New Code Testing)
by "Caitlyn M. Martin" <ku4qd@qsl.net>
- 47) [102301] Re: List Manager
by "Joe Spencer" <kk5na@quadj.com>
- 48) [102302] HW-8 mods wanted for HW-8 Handbook update
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 49) [102303] Politics, Whining, and a lack of QRP...
by "Trevor Jacobs" <fxtech@earthlink.net>
- 50) [102304] Re: Lawrah
by "Randall Jouett" <rules@bellsouth.net>
- 51) [102305] Color me gone
by ac5ez@webtv.net (Larry)
- 52) [102306] More Filters
by wb2vuo@juno.com
- 53) [102307] 17mtr DSB: RX news. Need AF amp advice.
by Dan Tayloe <dtayloe@home.com>
- 54) [102308] 17mtr DSB: RX news. Need AF amp advice.
by Dan Tayloe <dtayloe@home.com>
- 55) [102309] Re: Politics, Whining, and a lack of QRP...
by "AC7JO Tucker" <bomc@goodnet.com>
- 56) [102310] Re: List Manager NOT NEEDED, moderated list maybe?
by Jeff <fantbb@yahoo.com>
- 57) [102311] Re: Lawrah
by "Rod Cerkoney, N0RC" <rod@n0rc.com>
- 58) [102312] Re: Paul Washa Book Deals (Updated List) Long
by Radioham <radioham@home.com>
- 59) [102313] Re: [102188] Receiver questions/ LM386
by Dan Tayloe <dtayloe@home.com>
- 60) [102314] dsp program
by "Randall M. Payne" <payner1@strato.net>
- 61) [102315] QRP PLEASE:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 62) [102316] Re: My Apology to EE's (*Or, Geeks jockeying for position*)
by G Brandon Hoyt <preacher102677@juno.com>
- 63) [102317] Re: NEW CALLSIGN
by George Gingell <k3tks@u1.abs.net>
- 64) [102318] Antenna night (part 2)
by ARDUJENSKI@aol.com
- 65) [102319] Re: DSP
by George Gingell <k3tks@u1.abs.net>
- 66) [102320] Name distortion
by Pete Burbank <plburbank@kih.net>
- 67) [102321] Re: My Apology to EE's

by "John Moriarity" <k6qq@hdo.net>
68) [102322] Re: My Apology to gEEk's
by "N7SG K7FD" <k7fd@hotmail.com>
69) [102323] N7CQR/P: K2 n' PW-1
by "N7SG K7FD" <k7fd@hotmail.com>
70) [102324] RE: My Apology to EE's
by "Roger A. McCarty" <rmccarty@earthlink.net>
71) [102325] Re:
by Bruce Muscolino <w6toy@erols.com>
72) [102326] Re: Polarized Capacitor Question
by "Ingo DK3RED" <dk3red@t-online.de>
73) [102327] Re: Alright Already!
by "John Dorson" <JDORSON@worldshare.net>
74) [102328] Re: My Apology to EE's
by "John Dorson" <JDORSON@worldshare.net>
75) [102329] Re: Polarized Capacitor Question
by "Mike Yetsko" <myetsko@insydesw.com>
76) [102330] Re: dsp program
by "Karl F. Larsen" <k5di@zianet.com>
77) [102331] Re: FT-817 Reverse Power Protection ?
by "Karl F. Larsen" <k5di@zianet.com>
78) [102332] Re: I Have An Idea (fwd)
by "Randall Jouett" <rules@bellsouth.net>
79) [102333] Fixing A Messed up R8 Antenna
by Stephan Greene <sgreene@patriot.net>
80) [102334] Antenna support
by "Alex Turner" <aturner13@triad.rr.com>
81) [102335] FS - Keylite Keyer
by "Dennis Payton" <dpayton@fwi.com>
82) [102336] Color me gone
by "Don Wilhelm" <w3fpr@arrl.net>
83) [102337] Re: FT-817 Reverse Power Protection ?
by "John P. Cummins, Sr." <jpcummins@charter.net>
84) [102338] Proof that the Youth are Revolting!!!!
by G Brandon Hoyt <preacher102677@juno.com>
85) [102339] Re: My Apology to gEEk's
by "John L. Sielke" <w2agn@pobox.com>
86) [102340] Antenna Night (part 2)
by Kenneth Hoglund <hoglund@wfu.edu>
87) [102341] Re: Antenna support
by "Ingo DK3RED" <dk3red@t-online.de>
88) [102342] Re: 2M QRP rig Design
by "Lau, Zack, W1VT" <zlau@arrl.org>
89) [102343] HOW LONG IS THIS JUNK MAIL GOING TO GO ON ?
by Wayne Williams <aa5jj@swbell.net>
90) [102344] Re: HOW LONG IS THIS JUNK MAIL GOING TO GO ON ?
by "Chris" <w4yyz@tampabay.rr.com>
91) [102345] Re: 17mtr DSB: RX news. Need AF amp advice.

- by "Randall Jouett" <rules@bellsouth.net>
- 92) [102346] FS: Fluke 99B Scopemeter
by "Paul G Kaczmarek" <Paul.G.Kaczmarek@USA.dupont.com>
- 93) [102347] MH101: Aligning the SW-30+
by John Wagner <john@neknetwork.com>
- 94) [102348] Re: re. Apology to EEs
by W2BJ <barry@minsky.org>
- 95) [102349] Re: My Apology to EE's
by Shephed@aol.com
- 96) [102350] Re: Antenna Night (part 2)
by "N7SG K7FD" <k7fd@hotmail.com>
- 97) [102351] Childish behavior
by "Gary Lee Phillips" <ka9nzi@arrl.net>
- 98) [102352] Re: Antenna support
by Bruce Muscolino <w6toy@erols.com>
- 99) [102353] Re: Childish behavior
by "Randall Jouett" <rules@bellsouth.net>
- 100) [102354] [op] Harney Peak Operation Photos
by Gary Slagel <gdslagel@yahoo.com>
- 101) [102355] Antenna Support Idea
by ARDUJENSKI@aol.com
- 102) [102356] Yaesu FT817 & SWR
by MITCHELLRI@aol.com
- 103) [102357] SPdif
by F FLYNN <fflynn@adelphia.net>
- 104) [102358] RE: Antenna Support Idea
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 105) [102359] Re: SPdif
by "Paul Christensen" <paulc@mediaone.net>
- 106) [102360] Re: SPdif
by "Randall Jouett" <rules@bellsouth.net>
- 107) [102361] Re: Childish behavior
by "Per-Arne Asp" <per-arne.asp@tordata.se>
- 108) [102362] RE: Yaesu FT817 & SWR
by "Newell, John O" <JNewell@goodwinprocter.com>
- 109) [102363] Re: Childish behavior
by "Mike Connor" <nq7k@mtarvin.com>
- 110) [102364] RE:Moderated List
by "Jay Bromley" <w5jay@alltel.net>
- 111) [102365] Antenna Question
by <igeq100@iupui.edu>
- 112) [102366] DSPs contd
by Pete Burbank <plburbank@kih.net>
- 113) [102367] Field Day 2K1, Piggie Style!
by Shephed@aol.com
- 114) [102368] The Last Word, Etc.
by <baltimoremd@baltimoremd.com>
- 115) [102369] Re: Moderated List

by "Chris Trask" <ctrask@qwest.net>
116) [102370] Where are the QRPer's is Southern MD
by "Howie W." <k3hw@yahoo.com>
117) [102371] Re: Antenna Question
by "Ingo DK3RED" <dk3red@t-online.de>
118) [102372] West Coast Contacts for WAS
by ARDUJENSKI@aol.com
119) [102373] GREAT Stuff: 17mtr DSB: RX news. Need AF amp advice
by "tbowman@nbn.net" <tbowman@nbn.net>
120) [102374] Re: Antenna Question
by "George, W5YR" <w5yr@att.net>
121) [102375] NoGa PiG - Power Indicator/Guard
by "John P. Cummins, Sr." <jpcummins@charter.net>
122) [102376] I Have a Better Idea
by "Randall Jouett" <rules@bellsouth.net>
123) [102377] Re: GREAT Stuff: 17mtr DSB: RX news. Need AF amp advice
by "Randall Jouett" <rules@bellsouth.net>
124) [102378] Behavior
by Pete Burbank <plburbank@kih.net>
125) [102379] RE: Need antenna guru help - thanks and status
by "Patrick Cummins" <pcummins@misnet.com>
126) [102380] Re: Antenna Question
by "Bob Tellefsen" <n6wg@earthlink.net>
127) [102381] Fox--Last minute reminder
by "Bob Tellefsen" <n6wg@earthlink.net>
128) [102382] Please don't keep changing the subject folks
by Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
129) [102383] Re: Antenna support
by "kw3u@warwick.net" <kw3u@warwick.net>
130) [102384] MAHA MH-FNB-72 1.7Ah Fused -- NOT
by "Chuck Carpenter" <w5usj@globeco.net>
131) [102385] Re: I Have a Better Idea
by <igeq100@iupui.edu>
132) [102386] RE: MH101: Aligning the SW-30+
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
133) [102387] Re: Yaesu FT817 & SWR
by John Wagner <john@neknetwork.com>
134) [102388] Re: Yaesu FT817 & SWR
by MITCHELLRI@aol.com
135) [102389] Through thick and thin
by "Steven Weber" <kd1jv@moose.ncia.net>
136) [102390] Re: MAHA MH-FNB-72 1.7Ah Fused -- NOT
by "George, W5YR" <w5yr@att.net>
137) [102391] Off to CO SuperFest
by "Paul Harden, NA5N" <na5n@rt66.com>
138) [102392] [CONTEST] QRP Contest Calendar July 12/29
by Ken Newman <N2CQ@citnet.com>
139) [102393] Re: [Off to CO SuperFest]

by Rod Cercone <rod@n0rc.com>
140) [102394] Re: MAHA MH-FNB-72 1.7Ah Fused -- NOT
by MITCHELLRI@aol.com
141) [102395] Re: West Coast Contacts for WAS
by Macstein@aol.com
142) [102396] GAP TITAN NOTED FOR SALE \$45
by ARDUJENSKI@aol.com
143) [102397] Re: Off to CO SuperFest
by "Robert P. Okas" <vintage@best.com>
144) [102398] Noise Figure to nV/SqrtHz Conversion?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
145) [102399] QRP-L
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
146) [102400] Re: Noise Figure to nV/SqrtHz Conversion?
by Jake Brodsky <frussle@erols.com>
147) [102401] Re: Through thick and thin
by Pete Burbank <plburbank@kih.net>
148) [102402] equipment manual followup
by "K. Babcock" <n8wvd@jackpine.com>
149) [102403] Re: Antenna Night (part 2)
by "ss lyon" <sslyon@megalink.net>
150) [102404] I am sorry
by alan.kaul@att.net
151) [102405] Re: Noise Figure to nV/SqrtHz Conversion?
by "George, W5YR" <w5yr@att.net>
152) [102406] Is it a full moon or something?
by "Ed Tanton" <n4xy@att.net>
153) [102407] RE: Noise Figure to nV/SqrtHz Conversion
by "Patrick Cummins" <pcummins@misnet.com>

Date: Wed, 11 Jul 2001 18:05:49 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [102255] Re: My Apology to EE's
Message-ID: <000c01c10a5e\$0b0d2920\$f0a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think there should be NO tolerance for one QRP-L member referring to another female QRP-L member as a female dog in a posting. That kind of talk greatly offends me too and reflects on us all. It's the worst thing I've personally seen said on here and I hope it's retracted.

Laura, I want to point out that if you leave, you'll be letting the person

who offended you also influence what you do.

Denny N9JXY

Date: Wed, 11 Jul 2001 17:20:01 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Garie Halstead <k8kfj@ntelos.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102256] Re: List Manager
Message-ID: <Pine.SUN.4.10.10107111713570.4412-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Jul 2001, Garie Halstead wrote:

> Hey Pete, a few days ago, I sent an email to the LIST MANAGER about
> a recent name-calling situation here on the list.
>
> Would you believe, the list manager (whoever he/she may be) didn't even
> have the common courtesy to respond.

Garie,

Who did you email? There is only one list manager, Jim Echleman N3VXI.
His email is: lujce@lehigh.edu

If you emailed anyone else, you probably got no response because nobody else has authority to take such action. Otherwise such blatant abuse of a respected list member would have been dealt with already. Jim does not monitor qrp-1 on a daily basis, so can only respond if it's brought to his attention.

72, Paul NA5N

Date: Wed, 11 Jul 2001 18:21:56 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102257] Re: re. Apology to EEs
Message-ID: <001c01c10a60\$50c65d40\$9e532bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Please do not confuse those kind of pigs with Flying Pigs...not all of us like that, but some of us are. It's a big ole world and it take all kinds.

I say we beat Randy with the wet ugly end of a 22 foot Wouff Hong for about a month. Then we move on?

73

----- Original Message -----

From: "Pete Burbank" <plburbank@kih.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, July 11, 2001 4:24 PM

Subject: re. Apology to EEs

> There seem to be a few Male Chauvinist Pigs on this list. Personally I
> always ponder what Laura
> has to say and hope she stays. ("ponder" meaning that I don't always
> understand her) HI!
>
> IMHO there is plenty of room here for everybody and no excuse for calling
> someone a bitch.
> 72/73/88 to all
> Pete NV4V Kentucky
>
>

Date: Wed, 11 Jul 2001 19:33:35 -0400
From: "K. Babcock" <n8wvd@jackpine.com>
To: <qrp-1@Lehigh.EDU>, <fpqrp-1@mpna.com>
Subject: [102258] test equip op manuals
Message-ID: <000301c10a61\$ec277980\$83cecad8@gorp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have an operator's manual for a simpson handiscope model 466 and I'd like to trade it for a manual for a Simpson 260.

Any takers?

72, Kent, N8WVD

Date: Wed, 11 Jul 2001 17:37:40 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102259] Re: My Apology to EE's
Message-ID: <3B4CE344.34E9F3E2@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am deeply offended. I can't imagine this as any kind of tolerable human behavior, let alone what we would want young newcomers to ham radio to experience.

john - n0hj

Date: Wed, 11 Jul 2001 19:40:58 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: <n5em@flash.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102260] Re: My Apology to EE's
Message-ID: <000d01c10a7c\$17a81b40\$3c7c2526@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

i for one don't see why you are running away. sure there are a bunch of people on this or any other list that have nothing else in their lives but to sit at their computers and send stupid e-mails. i figure i get over 100 e-mails from this list alone. but you see i find it very easy to use the old delete key. and i know that you must run into these jerks in other area of life and i am hopeful you run from all of them. so i would for one like to see you re-consider leaving. maybe with enough folks how feel the same way we can convince these people to stop there silly e-mails.

john k2jhu...

----- Original Message -----
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 12:40 PM

Subject: Re: My Apology to EE's

> Obviously, OUR great loss. I will miss Laura's posts.
>
> However, I'm used to deleting messages from total idiots - its just part
of
> the territory when you subscribe to a list. Folks, QRP-L has a lot of
good
> info - but that's 10 - 20 % of the volume of the traffic on the list. If
> you don't want to lose 10%+ of your life living with high stress, ya just
> got to learn to chill and ignore this stuff and learn to use filters and
> the DELETE key. I have a permanent filter for FOX. Not that I have a
> single thing against the fox traffic, I just don't chase the fox. I NEVER
> see a message with FOX in the Subject. Same thing with RADIO
> SHACK. That's a new filter :-) - they are gone in the trash before I even
> look at the Inbox.
>
> It's just part of the new information technology age.
>
> And, if my post has offended anyone - you will not hurt my feelings one
> little bit if you delete this message!
>
>
> At 11:39 AM 7/11/01 -0700, you wrote:
>
>
> >Since I'm obviously not welcome, I'm outta here.
>
>

Date: Wed, 11 Jul 2001 19:39:38 -0400
From: "Tom Bowman" <tbowman@nbn.net>
To: "Leon Heller" <leon_heller@hotmail.com>, <qrp-l@lehigh.edu>
Subject: [102261] Re: Receiver questions/ LM386
Message-ID: <00cc01c10a62\$c0e39e60\$55b3473f@tombowma>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Why are people *still* using the venerable LM386? There are much better
> devices around, like the TDA7052, with lower noise, power consumption,
> distortion, etc.

Probably for the same reason people *still* build really great transceivers using 2N2222s -

And one other reason: I can't find the TDA7052 in a DIP package. My eyes and coffee-saturated nerves are no match for surface mount devices.

73,

Tom, WA3REY

Date: Wed, 11 Jul 2001 19:44:42 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102262] Re: My Apology to EE's
Message-ID: <001c01c10a7c\$9af73800\$3c7c2526@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

you know one of the problems with the list is that there are too many re-
ply to all going on. if i ask the group for some info i always ask for direct
response so as not to tie up the list. think about for a moment.

john k2jhu...

Date: Wed, 11 Jul 2001 19:38:55 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: k8kfj@ntelos.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102263] Re: re. Apology to EEs
Message-ID: <3B4CE38F.EEB200A1@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anybody considered that if more of us used the PRIVATE reply feature of our browsers we wouldn't have as many problems? It seems to start with a desire to be rude or cute in a posting. If we used the PRIVATE email feature we would cut down on the amount of list traffic, redundant posts, and nasty behavior.

My own personal opinion.

73

Date: Wed, 11 Jul 2001 18:55:21 -0500
From: Jeffrey L Greer <wd4et@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [102264] Re: Laura.....
Message-ID: <20010711.185526.-329201.1.wd4et@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

It will be a terrible loss for this list if Laura leaves.

I have always enjoyed her posts. They are well reasoned and technically rich.

I always take the time to open her posts.

Just my 2 cents. I certainly hope someone that knows her can convince her to stay.

73, Jeff Greer WD4ET, Houston

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 11 Jul 2001 19:59:01 -0400
From: "Ken Kirkley" <ogbc@mindspring.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [102265] Re: My Apology to EE's
Message-ID: <00e901c10a65\$75da4ce0\$13acf7a5@default>

Welllll, I don't normally get into the "debates" on the list...but this one takes the cake. There is NO reason for such name calling on a public list. If you want to use such terms take it to PRIVATE email. Please don't send your litter to South Carolina! It is not wanted nor appreciated...

73,

Ken/N04D

----- Original Message -----

From: "Randall Jouett" <rules@bellsouth.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, July 11, 2001 11:40 AM

Subject: My Apology to EE's

> Hi Gang,

>

> Well, I had to go nuclear -- as usual! -- and put

> my foot in my mouth yet again! Let it be known

> that I have the utmost respect for my friends

> and fellow workers in field of EE, and I ever

> so humbly appologize for the remark I made

> about electrical engineering. I think most of

> you realize that I said this to tick off Laura

> and put that arrogant, eccentric, "she knows

> everything" b***h in her place. Any way, I

> was totally wrong in doing this, and I'm very,

> very sorry for that remark. I WAS WRONG!

>

>

> Randy

> --

> HAMateur Radio: AB5NI

>

>

>

Date: Wed, 11 Jul 2001 20:05:53 -0400

From: Chuck Ludinsky <cjl@mitre.org>

To: neqrp@jonal.net, qrp-l@lehigh.edu

Subject: [102266] NEQRP CW Net, Thursday, 12 July, 8:30 PM EDT, 3.565MHz

Message-ID: <3B4CE9E1.475F5314@mitre.org>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

The New England QRP Club's WQ1RP CW net meets again Thursday night, 12 July 2001, at 8:30 PM EDT (0030Z, 13 July 01) on or near 3.565 MHz. Net control operator for this week's 80M session will be Chuck, K1CL, operating from Chelmsford, MA.

As expected, last week's net was on the light side. With everyone travelling, or otherwise involved with the long holiday weekend, we had a total of four participants:

K1RC	John	Dracut, MA	599+
AA1MY	Seab	Bethel, ME	499
WB1HBE	John	Chelmsford, MA	599+
K1CL	Chuck	Chelmsford, MA	Net Op

We actually had two nets, with John, K1RC, the only check-in at 8:30. John was using a set of Drake twins, running about 6W. Sounded great, John. I called again around 9:00, and Seab and John, WB1HBE, then checked in, John having just returned from a family trip to Disneyworld.

Thanks for the QNI, guys. Hope to hear you again this Thursday evening.

72 DE K1CL,
Chuck

Date: Tue, 10 Jul 2001 16:43:52 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <marsgal42@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102267] Re: My Apology to EE's
Message-ID: <00c801c10981\$08071e80\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Let's not start with the women thing it has nothing to do with it so don't use that as an excuse it's too convenient! I too have found some of your posts to be condesending and especially when I ask for clarification about one of my posts you commented on, slammed me! I was polite you were not.

Stay or go that is up to you. If you stay then let's all play nice and yes enjoy the hobby!

All can easily be forgotten and started on a new footing!

Regards,
Robert
VE3RPF

----- Original Message -----

From: "laura halliday" <marsgal42@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 2:39 PM
Subject: Re: My Apology to EE's

> A certain pinhead blabbed:
>
> >Well, I had to go nuclear -- as usual! -- and put
> >my foot in my mouth yet again!...
>
> Enough. You know what this person said.
>
> Since I'm obviously not welcome, I'm outta here.
> The agreement was to lay off on the ad hominem/feminam
> attacks, but since this doesn't seem to apply any more,
> there is no point in my further participation in
> this list.
>
> For the record, my degrees are CS and Aerospace
> Engineering. Not that it matters, not when is an
> arrogant obnoxious bitch - apparently the result
> of disagree with certain people of dubious mental
> stability and/or maturity, when one is a woman
> who has some notion of what she's talking about,
> and doesn't find it necessary to apologize for
> same.
>
> I've been called worse.
>
> This is supposed to be a hobby, but I've hit my
> point of diminishing returns. I have better things
> to do with my time.
>
> Good bye.
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89mg pied a terre..."
> ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte
>

> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.
>

Date: Wed, 11 Jul 2001 20:31:20 EDT
From: n5ib@juno.com

To: qrp-1@Lehigh.edu
Subject: [102268] Key and bug in "13 Days"
Message-ID: <20010711.192711.4647.0.n5ib@juno.com>

Just rented and viewed the movie "13 Days" and noticed a brief shot of some Morse being sent from a ship's radio room. I went back and single-framed the tape and was amused to see that the bug on the operator's desk appears to be a relatively vintage Vibroplex, but the straight key actually being used to send the message, while on a vintage-looking base, sure looks like one of those plastic/stamped metal AMECO keys that sells today for about ten or twelve bucks.

Wish they would have consulted with me, I'd have lent them a true-blue Lionel J-38. Better yet, I'm sure Marshall could have fixed them up FB.

For better or worse, I think I'm being sucked into the abyss of straight key collecting - Oh woe is me :^))

72
Jim N5IB

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 12 Jul 2001 02:32:47 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [102269] Re: Polarized Capacitor Question
Message-ID: <005801c10a6a\$da17f9a0\$7d9001d9@ingo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Denny,

> ...I'm wondering, will putting two of
> them in series double the voltage rating? ...

No problems. Your calculation is right. But do not use individual bleeder resistors across the tantalum capacitors.

o +
|
----- +
----- -
|
----- +
----- -
|
o -

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Wed, 11 Jul 2001 19:42:27 -0500
From: George Franklin <w0av@juno.com>
To: marsgal42@hotmail.com
Cc: qrp-1@Lehigh.EDU
Subject: [102270] Re: My Apology to EE's
Message-ID: <20010711.194227.-1717249.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Laura,

Very sorry to see you go.

Your presence always lent a badly needed touch of class to these proceedings.

72/73/74 de George/W0AV
SOC#101

Date: Wed, 11 Jul 2001 20:43:06 EDT
From: BenNW7DX@aol.com
To: qrp-1@lehigh.edu
Subject: [102271] Fox- NW7DX is fox'n it out! Thursday Night!
Message-ID: <3b.173e80d8.287e4c9a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello -

As many of you know, I will be the fox tomorrow, in partnership with N6WG. I will be starting the hunt at 0200z (Thursday evening in USA). I will hopefully be around 14.055 or so, but I'll see how the QRM is before the hunt. As a reminder, in the fox hunt, I am calling CQ FOX and you will be sending off your callsign above my frequency. I will be listening 500 to 1000 hz above my frequency. If I hear you, I will send your callsign, my exchange, then your callsign again. For example, "K0EVZ 559 WA BEN 5W K0EVZ"

The exchange is RST, State, Name, Power. Please only send it once, and if I need any fills I'll ask. Also, please don't ask for a repeat of my exchange, it will be the same throughout the hunt. At the beginning of the hunt, I will have my keyer on the high side, but please do not feel discouraged. I urge you to give me a call. All you gotta do is listen for your own call sign. Later in the hunt however, I will definately be turning my keyer down as the pileup slims down.

I will be guest operating at another ham's place and will be using a FT-920 with a 20m beam. If I am weak at your end, please don't give up. Between propagation and me turning the antenna, you'll be able to get in the log.

73 and I hope to work ALL of you! ,

Ben - NW7DX

Redmond, WA

Date: Wed, 11 Jul 2001 18:53:45 -0600

From: Andrew Madsen <andrew@utahdesign.com>

To: QRP-L <qrp-l@Lehigh.EDU>, Elecraft List <elecraft@qth.net>

Subject: [102272] Win 3.1 rig control software

Message-ID: <3B4CF519.801254B3@utahdesign.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I'm looking for some good rig control software that will run under Windows 3.1. Unfortunately, it looks like I won't have a laptop that will run Win95/98 for the Utah hamfest this weekend. I was hoping to use such a laptop to demonstrate K2voice at the Elecraft booth. I do have a laptop that will run Windows 3.1 so I need some control software that will run on such a system. It needs to support the Kenwood command set (TS-570) at the very least.

--

73,

Andrew R. Madsen AC7CF

ac7cf@youngradioamateurs.com

<http://www.youngradioamateurs.com/>
League of Young Radio Amateurs
Utah Section Manager
Technology Committee Chairman
CW/QRP Committee Co-Chairman

Date: Wed, 11 Jul 2001 18:55:43 -0600
From: Andrew Madsen <andrew@utahdesign.com>
To: QRP-L <qrp-l@Lehigh.EDU>, Elecraft List <elecraft@qth.net>
Subject: [102273] Re: Win 3.1 rig control software
Message-ID: <3B4CF58F.F7D7CD30@utahdesign.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some PSK-31 software would also be good.

--
73,
Andrew R. Madsen AC7CF
ac7cf@youngradioamateurs.com
<http://www.youngradioamateurs.com/>
League of Young Radio Amateurs
Utah Section Manager
Technology Committee Chairman
CW/QRP Committee Co-Chairman

Date: Wed, 11 Jul 2001 18:13:51 -0700
From: "Denis Englander" <ko6gf@slip.net>
To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102274] Re: My Apology to EE's
Message-ID: <003501c10a6f\$e97b3ce0\$f1507fd8@sirus.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Randall...

Irony that your discussion was regarding DSP

filtering. You ask for help, yet you would bite the hand of those most qualified to help you. Indeed?

Your future posts will be filtered by my Email Program
DSP Ignore Mode.

K06GF - Denis in SF

----- Original Message -----

From: "Randall Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 8:40 AM
Subject: My Apology to EE's

> Hi Gang,
>
> Well, I had to go nuclear -- as usual! -- and put
> my foot in my mouth yet again! Let it be known
> that I have the utmost respect for my friends
> and fellow workers in field of EE, and I ever
> so humbly appologize for the remark I made
> about electrical engineering. I think most of
> you realize that I said this to tick off Laura
> and put that arrogant, eccentric, "she knows
> everything" b***h in her place. Any way, I
> was totally wrong in doing this, and I'm very,
> very sorry for that remark. I WAS WRONG!
>
>
> Randy
> --
> HAMateur Radio: AB5NI
>
>
>
>

Date: Wed, 11 Jul 2001 21:10:17 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: Qrp-l@Lehigh.EDU
Subject: [102275] Use the Private reply
Message-ID: <5.0.2.1.0.20010711204603.009f2a30@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I agree with this one and I'll "second" it.

I've never seen a list with as much wasted bandwidth as this one. I trash 99 out of 100 e-mails I get from this list because they're either redundant, or literally useless. How many of the rest of us are doing the same thing ? Am I alone in rolling eyes at e-mails such as :

"My kit arrived. I'm going down to the basement now to..."

"I'm headin' off to dinner. Back in a while"

"Hey Merle ! You going to the hamfest tomorrow ?" Merle : "Yep. See ya around 9"

"I just worked W1XYZ. He gave me a 599".

I suspect that the great majority of list members here wade through and trash hundreds of these every week, looking for the few e-mails with real substance. So if they're being trashed, why send them ? If I'm in the minority here, then perhaps I don't have the "spirit" of the list. I stay subscribed for that one or two useful e-mails buried in the hundreds of useless ones.

Just my opinion of course. No malice felt or intended.

Phil

At 07:38 PM 7/11/2001 -0400, Bruce Muscolino wrote:

>Has anybody considered that if more of us used the PRIVATE reply feature
>of our browsers we wouldn't have as many problems? It seems to start
>with a desire to be rude or cute in a posting. If we used the PRIVATE
>email feature we would cut down on the amount of list traffic, redundant
>posts, and nasty behavior.

>

>My own personal opinion.

>

>73

Date: Wed, 11 Jul 2001 19:21:28 -0600

From: "Alyn Backe" <va6cw@look.ca>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [102276] Possible Loop ant and LDG Z-11 QRP Auto Tuner

Message-ID: <009501c10a70\$fadd3320\$1ef7aecc@s8q7l5>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello.

I received my LDG Z-11 qrp auto tuner kit a day or two ago and have it up and running with my Elecraft K2. The tuner appears to be a real fine piece of gear to have in the ham shack or out in the field. (No affiliation with LDG - I just think their Z-11 tuner is cool).

<http://www.ldgelectronics.com>

I live on a fairly small city lot in town and i'm considering a triangle shaped horizontal loop fed with 300 ohm twin lead since i found a big roll of feedline hiding on one of the storage shelves. I'll be using the LDG balun with the Z-11 tuner.

Can anyone recommend a particular wire length for the three sided loop fed with twin lead? Any magic number that might work well for 10 through 40 meters? I thought i'd ask here just in case someone else on the list has experimented with the same type of antenna and found a particular loop size to work better than others. Again, all i really need is 10 through 40 or even 10 through 30 meters.

72, AL, VA6CW...
Red Deer, Alberta
Grid D032bg

Date: Wed, 11 Jul 2001 20:21:49 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <qrp-1@Lehigh.EDU>
Subject: [102277] Alright Already!
Message-ID: <003b01c10a71\$54faf680\$cb0a4ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Ok, I was totally and absolutely wrong in what I said to Laura. Laura, I can be a complete and total idiot

and times, and I have a short fuse and temper worse than a badger. It gets the best of me quite often, and sometimes I say stuff that I shouldn't. Please don't leave the list! I'm very sorry for calling you the b-word, and that was totally uncalled for. I went off we you said "re-invent the wheel" when I hadn't even finished explaining myself. I guess what I should have done is explained my ideas to you and others in a clear, concise manner.

There is one thing, though, that I mentioned before in my first message. I said that, more than likely, my DSP thread was going to turn into a flame war. Every time I post a very technical message to this list, somebody has to jump in and tell me that I'm full of it in a rude manner. You never see anything like, "Well, it would be neat if something like that could work, Randy, but there's a slight problem with your idea." I can handle something like that, but a "re-invent the wheel" remark is down-right rude. Why not say something like, "Well, that has been tried before by W5??? and his bunch. You can see their data at www.w5????.com. Maybe you might be able to expand on it. Good luck, and 73." That is the type of reponse that I give and expect from others.

Anywho, you have to admit that Laura should have never, ever inserted that "re-invent the wheel" remark. That was completely and totally uncalled for, especially when she didn't even finish hearing me and others out on the subject. She just made up her mind and said it has already been done and that we were waisting time with the discussion. I expect an apology for that remark.

Laura, again, I am very sorry for the name calling. I was totally out of line with that remark.

Randy "Eatin Crow" Jouett

--

HAMateur Radio: AB5NI

Date: Wed, 11 Jul 2001 20:29:26 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <ko6gf@slip.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102278] Re: My Apology to EE's
Message-ID: <004501c10a72\$178312a0\$cb0a4ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Denis Englander <ko6gf@slip.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 8:13 PM
Subject: Re: My Apology to EE's

Hello,

> Ironical that your discussion was regarding DSP
> filtering. You ask for help, yet you would bite the
> hand of those most qualified to help you. Indeed?

When they are rude, you bet, and every single time,
too!

> Your future posts will be filtered by my Email Program
> DSP Ignore Mode.

Fine with me.

Randy

P.S.

For everyone that sends me this type of message,
you are permanently added to my filters. Also, isn't
it funny that none of you have said that Laura was
rude with her "re-invent the wheel" remark. HMMM.

Date: Thu, 12 Jul 2001 01:32:48 +0100
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: na5n@rt66.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102279] Re: List Manager
Message-ID: <5.0.2.1.0.20010712013149.00a84a20@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:20 PM 7/11/01 -0600, Paul Harden, NA5N wrote:

>On Wed, 11 Jul 2001, Garie Halstead wrote:
>> Hey Pete, a few days ago, I sent an email to the LIST MANAGER about
>> a recent name-calling situation here on the list.
>>
>> Would you believe, the list manager (whoever he/she may be) didn't even
>> have the common courtesies to respond.
>
>Garie,
>Who did you email? There is only one list manager, Jim Echleman N3VXI.
>His email is: lujce@lehigh.edu
>
>
>72, Paul NA5N

I sent email to Jim several months ago asking that certain individuals be banned.
Since they were not and since they caused more trouble I am out of here.

Color me gone.....

dit dit

Chuck Adams, K7Q0 CP-60
Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo>

TMPS-2001 Jan 12th -> April 15th, 2001 States = 49 DXCC = 15

States Needed AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7
PJ ZL2

Moving to Arizona? --- Bring your own water.

Date: Wed, 11 Jul 2001 21:47:34 -0400

From: "Phil (VA3UX)" <phil@vaxxine.com>
To: rules@bellsouth.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102280] Quasi Apology to EE's
Message-ID: <5.0.2.1.0.20010711213054.00a03dd0@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:40 AM 7/11/2001 -0500, Randall Jouett wrote:

>about electrical engineering. I think most of
>you realize that I said this to tick off Laura
>and put that arrogant, eccentric, "she knows
>everything" b***h in her place. Any way, I
>was totally wrong in doing this, and I'm very,
>very sorry for that remark. I WAS WRONG!

AND...you're totally wrong again with this remark. You just can win today
can you ?

I've never sensed from any of Laura's posts that she's arrogant or
eccentric or a know-it-all. Not ever ! But she appears to know a hell of
lot more than you do (and me too for that matter). Perhaps you should keep
your hands off the keyboard and spend more time reading so you can learn
something.

I think the real problem here is that YOU appear to have a problem with a
female that knows more than you do. You remind me a lot of my 15 year old son.

Phil

PS. Despite my post about using private replies for such matters, I chose
public reply for this to publically support Laura, the victim. I won't post
about this again

>Randy
>--
>HAMateur Radio: AB5NI

Date: Wed, 11 Jul 2001 21:03:23 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <na5n@rt66.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102281] Re: My Apology to EE's
Message-ID: <007d01c10a76\$d5c41260\$cb0a4ed8@spock>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Paul Harden, NA5N <na5n@rt66.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 3:31 PM
Subject: Re: My Apology to EE's

Hey Paul,

> There is no room on QRP-L for personal attacks. Particularly one that
> is based on race, gender or other disrimanatory content, or laced with
> profanity. I don't blame Laura for being upset and feeling targetted.

I was wrong in the personal attack, but Laura was wrong in
starting all of this with her rude remark.

> I have read Laura's posts for years and have always found them to be
> technically sound and accurate -- always a contribution to this list.

I agree, but she sure doesn't show very much tact in her replies,
and we all know that this is a fact. I might be a hot-headed idiot,
but she's down-right rude at times, whether she means to be or
not.

> There's 3000+ people on qrp-l, and only a few who take the time to
> contribute technically. Some of you complain about the void of technical
> posts, yet run off the few left who do contribute technically. Soon there
> will be nobody left.

Well, I contribute technically, and no one can say that I don't.
I only get upset with people that are rude. Period. If people
want to disagree with me or others on the list, then they
should do it in a tactful manner; otherwise, the flame wars
are going to start.

> Kind of ironical when you consider the person attacking Laura came on
> qrp-l earlier to start a technical discussion and basically said "but
> if you're not nice to me, I'm out of here." A device that shells it out
> one way, but not the other, is called a diode.

Well, I'm a diode then, Paul. I didn't expect people to say that the idea was brilliant, and I even mentioned in the original post that some would probably disagree with me. I can handle that, but when someone is rude to me like Laura was, then that's when it's time to get down and dirty. She had every opportunity to tell me that I was full of it in a nice, humble manner. She refused to do this and decided to be rude. When that happens, you get what you pay for. BTW, I didn't leave because others asked me not to and told me that they enjoy my posts.

> I think the technical discussions started about DSP are great, and hope
> they continue by all.

You can bank on it.

73,

Randy

--

HAMateur Radio: AB5NI

Date: Wed, 11 Jul 2001 22:03:59 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: rules@bellsouth.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Message-ID: <5.0.2.1.0.20010711215349.00a00c70@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 08:29 PM 7/11/2001 -0500, Randall Jouett wrote:

P.S.

>For everyone that sends me this type of message,
>you are permanently added to my filters.

Big deal ! Enjoy watching endless streams of e-mails re-direct themselves right into your trash folder. There won't be anything left for you to read.

> Also, isn't

>it funny that none of you have said that Laura was
>rude with her "re-invent the wheel" remark. HMMM.

You should have learned something from this observation. You're possibly the only one that felt it was "rude". I thought it was an appropriate and technically accurate comment. She was right.

Phil

Holy smokes, when I clicked "Send" , Eudora actually warned me that this message might offend the average reader !! How did it determine that ? But...QRP-L members aren't just "average readers".

Date: Wed, 11 Jul 2001 21:02:30 -0500
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [102283] 40 meter sch
Message-ID: <005e01c10a76\$b6cd2180\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

If any one needs AR on 40 give me a email and we can set up a schedule. I mostly work 40 and 30 qrp cw.
BCNU Dennis Smith ne4o

Date: Wed, 11 Jul 2001 22:11:16 -0400
From: "Randy Joiner" <biggman@accucomm.net>
To: <qrp-l@Lehigh.EDU>
Subject: [102284] Re: 6 meters on the Sierra?
Message-ID: <000e01c10a77\$f027a300\$566661d1@accucomm.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dwayne, you need to correspond with Sam Billingsley AE4GX, and Mike Branca W3IRZ. Both are in/near Atlanta and are members of the North Georgia QRP Club, and members of this list. You may be able to look through the archives at www.qth.net and the nogaqrp mailing list. These guys have Sierra's on 6 mtrs. Good luck.

Randy N4SX

Date: Wed, 11 Jul 2001 22:15:15 -0400
From: "Phil (VA3UX)" <phil@vaxxine.com>
To: Qrp-1@Lehigh.EDU
Subject: [102285] Re: Polarized Capacitor Question
Message-ID: <5.0.2.1.0.20010711220646.009f4560@vaxxine.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:32 AM 7/12/2001 +0200, Ingo DK3RED wrote:

>Hello Denny,

>

> > ...I'm wondering, will putting two of
> > them in series double the voltage rating? ...

>

>No problems. Your calculation is right. But do not use individual
>bleeder resistors across the tantalum capacitors.

Wait a minute Ingo. The voltage will divide equally across the 2 caps in series if they have the same capacitance value. So on the surface, no voltage dividing network ("bleeder") is required. But can you count on the actual value of tantalum caps to be sufficiently close to the marked value so that this assumption is safe? If the 2 caps to be put in series have different marked values then a voltage divider would be needed (I didn't keep the original post so I don't remember exactly what Denny was proposing).

With electrolytics in series a voltage dividing network is certainly "required" (highly recommended) because of the wide capacitance tolerances.

Phil

> o +
> |
> ----- +
> ----- -
> |
> ----- +
> ----- -
> |
> o -
>

>72 de Ingo, DK3RED

>

>E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Wed, 11 Jul 2001 22:26:41 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102286] Norcal BLT
Message-ID: <004601c10a7a\$1987c2a0\$7a01a8c0@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm beginning to feel that anything related to QRP is an off-topic item....

Anyway, I'm in the process of constructing the Norcal BLT tuner. I am absolutely amazed at how well a home-brew case works when using dual-sided copper clad PC boards and the Manhattan construction technique! Until now, I have been Vector-boarding all my construction projects and placing them into anodized aluminum cases. Vector boarding is an excellent construction technique, but it's difficult to build a circuit on a ground-plane although Vector does offers a rather pricey quasi-planed board.

With the Manhattan technique, you just keep adding hole-punched circuit pads to the copper- clad chassis as you need them. In less than five minutes, I had the entire case complete with solder pads installed.

I learned that a hot glue gun should NOT be used to tack-down the solder pads. As you add componenets and heat the pad with your soldering tip, the soft glue from the glue gun, along with the pad, will lift from the chassis! Next, I tried to simultaneously heat the surface of the pad and the copper chassis with solder. I had moderte success but I hate to say it...super glue seems to work the best as it dries quickly and is relatively immune from heating effects.

More information on the Manhattan technique can be found on the Norcal web page. Give it a try!

-Paul, W9AC

Date: Wed, 11 Jul 2001 19:30:11 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: <stephen@stevef.demon.co.uk>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102287] Re: Moderation of this list, its time
Message-ID: <002701c10a7a\$9ad93aa0\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Steve,

NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO!!!!!!!

Lobby your ISP to remove the per minute charges - that's ridiculous in this day and age - but DO NOT ask us to reduce the volume or flow on this list - we LIKE it unmoderated. IMO, even the supposedly "off topic" threads are related to my QRP needs and I and many others like me ENJOY them.

Do I make myself clear?

Please list who it is you think we have "lost" because of the list being unmoderated. I cannot think of anyone I miss at all. Laura who? Do you mean Laura Halliday, who just posted to the list today?

Cheers es 72,
Dave Fifield, AD6A
(also subscribed to GQRP and other lists)

----- Original Message -----

From: "Steve Farthing" <stephen@stevef.demon.co.uk>
Subject: Moderation of this list, its time

Ladies and gentlemen,

I subscribe to two QRP lists, this one and the GQRP one. In my humble opinion the GQRP list works better because it is moderated so people stick to the ground rules. If the moderators get sent something that is not within the rules they reject it and tell the poster why. So the sender has the chance to change their message accordingly and re-submit it or forget about it. This helps those of us who post messages that later on we wish we had not. We have lost a couple of really ace contributors lately because other list members had insulted them. I'll especially miss Laura's contributions. If this list were moderated the insults would not have got through and they would still be with us. Behaviour on this list has declined since I first

subscribed some years back and that's a pity.

This list is truly international. Many of us outside the USA have to pay quite a lot to access the Internet. In my case it's about 50 dollars a month, plus a charge every time I call my ISP. The longer I am on the more I have to pay. So it would be really helpful if we kept off topic posts to a minimum. Moderation would ensure that this happened.

So, over to you to discuss the matter. It would be really nice if you kept the word Moderation in the title of your posts so that those with no interest in the thread can put it in their kill files.

Steve G0XAR

Date: Wed, 11 Jul 2001 22:31:54 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102288] 6m website
Message-ID: <3B4D0C1A.E5DCA560@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I noticed a number of messages in the past few months about 6 meters. I'm not into 6 meters much, but a good friend and co-worker is - Tim, N1RZ. If you haven't done so, check out his website at:

<http://www.n1rz.org>

Tim has near real time maps of 6 meter QSO's that are posted to the various spotting nets. There are numerous graphs and other tools that look very useful (like I said, I'm not a 6 meter kinda person).

73 de John, KB1ENS

--
John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Wed, 11 Jul 2001 21:30:32 -0500
From: "Randall Jouett" <rules@bellsouth.net>

To: "Phil (VA3UX)" <phil@vaxxine.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102289] Re:
Message-ID: <00a801c10a7a\$a07514c0\$cb0a4ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Phil (VA3UX) <phil@vaxxine.com>
To: <rules@bellsouth.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 9:03 PM

> At 08:29 PM 7/11/2001 -0500, Randall Jouett wrote:
>
> P.S.
>
> >For everyone that sends me this type of message,
> >you are permanently added to my filters.
>
> Big deal ! Enjoy watching endless streams of e-mails re-direct themselves
> right into your trash folder. There won't be anything left for you to read.

That's fine with me! I can always do a search on the
archives for the info that I'm looking for and send
private e-mail. DUH!

> > Also, isn't
> >it funny that none of you have said that Laura was
> >rude with her "re-invent the wheel" remark. HMMM.
>
> You should have learned something from this observation. You're possibly
> the only one that felt it was "rude". I thought it was an appropriate and
> technically accurate comment. She was right.

TOTAL and COMPLETE BS! You'd be surprised at the
number of e-mails that I've got supporting me on this, Phil,
and they ALL think that she is and was rude.

Randy

--

HAMateur Radio: AB5NI

Date: Wed, 11 Jul 2001 22:31:01 -0400
From: "Mark Sailer" <n2jtw@yahoo.com>
To: "QRP_L" <qrp-l@lehigh.edu>
Subject: [102290] NorCal BLT
Message-ID: <NFBBKNOCMLHLBPPIEBNEOEKPCCAA.n2jtw@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Doea anyone know if the BLT is still available?
I have two new Hams that are looking for starter kits.

Mark

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 11 Jul 2001 22:35:42 EDT
From: N0BN@aol.com
To: qrp-l@lehigh.edu
Subject: [102291] Re:40 meter sch
Message-ID: <114.183082e.287e66fe@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Speaking of skeds, whatever happened to 5watts.com or whatever that site was,
where people registered their availability for skeds?

I still need to confirm Connecticut/CW/QRP for WAS/CW/QRP; and can give Park
County, Colorado, to anyone who needs that.

I will be CW/QRP/M from Denver to Bryce Canyon, Utah tomorrow afternoon and

evening for the ARRL Regional Convention there, and coming back on Sunday.
Will mostly be around 14050-60.

72

Daniel n0bn

Date: Wed, 11 Jul 2001 22:39:39 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102292] Re: Norcal BLT
Message-ID: <007801c10a7b\$e908ae80\$7a01a8c0@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

More excellent information relating to the Manhattan construction technique
can be found at Chuck's page....

<http://www.qsl.net/k7qo/manhat.html>

-Paul, W9AC

Date: Tue, 10 Jul 2001 22:43:37 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102293] DSP Program
Message-ID: <023d01c109b3\$49a91be0\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Y'all;

The DSP freeware program posted on the list earlier is really quite amazing!
I took my poorest performing receiver (DX-300) and connected the headphone
jack into the line-in of my sound card and WOW! The background noise is
nearly gone and CW never sounded sweeter from this rig. I have used after
market DSP units before but never sounded this good. I think you owe it to
yourself to give it a try.

I knew there would be some improvment but i was not prepared for this much

improvement!
I'll never use this receiver without it!

Cheers,
Robert
VE3RPF

Date: Wed, 11 Jul 2001 20:44:18 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [102294] What Level of Receiver Performance is Required?
Message-ID: <B7726B22.B3BB%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

Looking at all the receiver performance numbers and deciding what level of performance is right for you can be a daunting task. It is difficult to get an intuitive handle on some of the performance parameters. Some, like intercept point, are theoretical constructs and not directly measurable.

As usual, the masters come to the rescue. Doug DeMaw and Wes Hayward published an article, "Modern Receivers and Transceivers: What Ails Them?" in January 1983 QST. In the article they give what they consider necessary characteristics that receivers for both casual operating and contesting/DX should have. These "DeMaw-Hayward criteria" have helped me understand the meaning of receiver performance and what are acceptable numbers for receiver performance. I thought I would share them with you. I have tried to put them in more or less the same format as the performance chart on the Elecraft URL:

http://elecraft.com/K2_perf.htm

Bandwidth dependent parameters are calculated for a CW bandwidth, 500 Hz

DeMaw and Hayward do not give an Ip3, I calculated it from MDS and IMDDR3

They give a noise figure from which I calculated the MDS

	MDS	IMDDR3	Ip3	BDR	Phase Noise	Image/IF Rejection
=A0	(dBm)	(dB)	(dBm)	(dB)	(dBc at +10 kHz)	(dB)
=20						
casual operating	-137 to -135=20	80	-15	110	125	80
contesting and DX	-137 to -135	95	+7.5	125	140	95

MDS - Minimum Discernable Signal

IMDDR3 - Two Tone Dynamic Range

BDR - Blocking Dynamic Range

You can compare these figures to those posted for common QRP rigs on the Elecraft web page, the ARS web page, and the ARRL web page. Maybe Elecraft and ARD could add these points to their already excellent charts?

The article is good reading and contains an excellent explanation of phase noise. Don't let the age fool you, most of the points are as valid today as they were 18 years ago.

I have decided that when the best way to combat the negative non-technical posts on QRP - L is to post the kind of posts I like to see. Ignore the chaff. Concentrate on the wheat. I hope that this helps. - Dr. Megacycle
KK6MC/5 =20

--=20

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Wed, 11 Jul 2001 21:42:04 -0500
From: "Michael Melland" <w9wis@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102295] FT-817 Reverse Power Protection ?
Message-ID: <000001c10a7c\$b544ec20\$5a838ad8@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The FT-817 as shipped from Yaesu is provided with a simple lead with a coaxial plug on one end for the external power protection. There have been several reports of smoke being let out of them by inadvertant reverse power hook-up. There apparently isn't any built in protection in the rig.

One of the popular FAQ's on the FT-817 has a suggested fix to provide over voltage and reverse power protection. Place a 2.5 amp pico fuse (rig draws abt 2.0 amps at 5 watts) close to the power hook-up end in series with the positive lead and a Zener diode (15 or 16 volt, 1n4745 or 1n4744a) across the leads above the fuse with the cathode to the positive lead and the anode to the negative lead. The fuse will then blow if reverse power is applied.

I guess I'm dense.... I know a Zener makes a good voltage regulator but how does it regulate the voltage in this instance to provide over voltage protection ? It seems to me more like it creates a one way circuit that will pop the fuse if reverse power is applied in this application. What am I fouling up here ??

Any other ideas to provide power protection ? I was thinking of utilizing the NoGAPiG for protection because besides battery power many use power supplies with unknown voltage and current protection.

72/73 de Mike

--

Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
<http://www.qsl.net/w9wis>

Date: Wed, 11 Jul 2001 19:49:31 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102296] Re: Lawrah
Message-ID: <004d01c10a7d\$4d96c200\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why be private about it?

I agree with you Randy, Laura has been rude to me in the past and now, and IMNSHO is too sensitive for her own good about the gender thing - she has a problem IMO. I have been called some pretty bad things on the list before

and I'm still here....(cries of "shame" from the peanut gallery)

Flame suit on....do your worst/best! (yawn.....)

Radio stuff: I have a whole farm of antennas going up into the sky this week (at last!) - KT34 tri-bander, R8 vertical, 5 ele 6m beam, 10 ele 2m beam, 19 ele 70cm beam, 22 ele 23cm beam, 2m/70cm crossed yagis on an az/el rotator for sat plus a sprinkling of verticals for VHF/UHF. Now that's more like it!

Cheers es 72,
Dave Fifield, AD6A

----- Original Message -----

From: "Randall Jouett" <rules@bellsouth.net>

> At 08:29 PM 7/11/2001 -0500, Randall Jouett wrote:

>

> P.S.

>

> >For everyone that sends me this type of message,

> >you are permanently added to my filters.

>

> Big deal ! Enjoy watching endless streams of e-mails re-direct themselves

> right into your trash folder. There won't be anything left for you to read.

That's fine with me! I can always do a search on the archives for the info that I'm looking for and send private e-mail. DUH!

> > Also, isn't

> >it funny that none of you have said that Laura was

> >rude with her "re-invent the wheel" remark. HMMM.

>

> You should have learned something from this observation. You're possibly

> the only one that felt it was "rude". I thought it was an appropriate and

> technically accurate comment. She was right.

TOTAL and COMPLETE BS! You'd be surprised at the number of e-mails that I've got supporting me on this, Phil, and they ALL think that she is and was rude.

Randy

--

HAMateur Radio: AB5NI

Date: Wed, 11 Jul 2001 22:50:23 +0000
From: "Caitlyn M. Martin" <ku4qd@qsl.net>
To: mark@buttery.org
Cc: qrp-1@Lehigh.EDU
Subject: [102297] Re: 2M QRP rig Design
Message-ID: <20010711225023.60ac31f1.ku4qd@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Wed, 11 Jul 2001 09:44:30 -0400
"Mark J. Dulcey" <mark@buttery.org> wrote:

> Dennis Ponsness wrote:
> >
> > What about VXO operation? The rig would only need to tune a few kHz either
> > side of 144.200 - ideally 20 kHz either side, but 10 kHz either side would
> be
> > ok too.
>
> Crystals that operate near 144 MHz are 7th overtone crystals. I'm under
> the impression that overtone crystals don't "bend" well, but I may be
> wrong; I've never tried it.

It certainly can be done. Mizuho used a VXO design and bent the crystal in the
MX-2S, I believe. I've only seen the rig (and schematic) once, so my memory
may be faulty here, but I am reasonably certain that's how they did it.

> Besides, you'll cringe when you find out how
> much that crystal will cost in small quantities; it might be as much as
> \$20. At that price, you might as well build the synthesizer.

For a high quality crystal that certainly is true.

72,
Caity
KU4QD

Date: Tue, 10 Jul 2001 22:59:10 -0400

From: "ZOOM" <kandrparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102298] DSP Link
Message-ID: <026d01c109b5\$757de500\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those who may have missed it here it is again and thankyou to whoever pointed this site out. Totally fantastic.
<http://www.wh2.tu-dresden.de/~bernd109/amateurfunk/filtenglish.zip>

Imagine what you can do with a SMK-1. Get rid of some of that noise hash and near stations. I was testing it and could hear three station without the DSP cause my BW is too large. Put the DSP program on and played with the filter and I could separate the stations easily. Very impressed. Guess my DSP unit may sit idle for a while!

Cheers,
Robert
VE3RPF

Date: Wed, 11 Jul 2001 22:00:27 -0500
From: Bryn Joynes <bryn@pcpractice.com>
To: NOBN@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102299] Re: 40 meter sch
Message-ID: <3B4D12CB.5070601@pcpractice.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

NOBN@aol.com wrote:

> Speaking of skeds, whatever happened to 5watts.com or whatever that site was,
> where people registered their availability for skeds?
>
> I still need to confirm Connecticut/CW/QRP for WAS/CW/QRP; and can give Park
> County, Colorado, to anyone who needs that.
>
> I will be CW/QRP/M from Denver to Bryce Canyon, Utah tomorrow afternoon and
> evening for the ARRL Regional Convention there, and coming back on Sunday.
> Will mostly be around 14050-60.
>

> 72
>
> Daniel n0bn
>
>

Try

<http://ourworld.compuserve.com/homepages/bl/5watts/5wattshome.htm>

Best Regards

Bryn

Date: Wed, 11 Jul 2001 23:04:05 +0000
From: "Caitlyn M. Martin" <ku4qd@qsl.net>
To: aa4lr@arrl.net
Cc: qrp-1@Lehigh.EDU
Subject: [102300] Elmering (was Re: New Code Testing)
Message-ID: <20010711230405.48cbdb8f.ku4qd@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Wed, 11 Jul 2001 09:27:06 -0400
Bill Coleman <aa4lr@arrl.net> wrote:

>
> Good idea. I've been trying to get my nephew's Scout troop back into the
> shack.

I got a QSL card this past week from WC5GS, which was a special event station for the Girl Scouts of Tejas Council Amateur Radio Club. This is one I will definitely treasure. I made the contact using my NCG 7/21/50 on 15 meters, so, yes, I was running QRP. I had a chance to talk to several of the young girls there and encourage them to continue to develop their interest in the hobby. The gentleman who was the control op was quite pleased, as I remember, to have the girls talk to a female ham.

So yes, by all means, get involved in elmering young people. Also elmer senior citizens. Women. Minorities, Anyone with an interest. Let's reach beyond our traditional demographic group. If we want this hobby to thrive in through the 21st century we need to grow in numbers and quality.

73,
Caity

KU4QD

Date: Wed, 11 Jul 2001 22:09:10 -0500
From: "Joe Spencer" <kk5na@quadj.com>
To: <k7qo@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102301] Re: List Manager
Message-ID: <005801c10a80\$05c6f0a0\$6601a8c0@c1552060c>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, unfortunately you are right Chuck.

I think Jim has decided to let the list consume itself.

When we had a moderator they whined him off the list and now they are driving many others away. I too am leaving.

72

Joe KK5NA kk5na@quadj.com Vice President - QRP ARCI
<http://www.qrparci.org>

----- Original Message -----

From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 7:32 PM
Subject: Re: List Manager

> At 05:20 PM 7/11/01 -0600, Paul Harden, NA5N wrote:
>
> >On Wed, 11 Jul 2001, Garie Halstead wrote:
> >> Hey Pete, a few days ago, I sent an email to the LIST MANAGER about
> >> a recent name-calling situation here on the list.
> >>
> >> Would you believe, the list manager (whoever he/she may be) didn't even
> >> have the common courtesy to respond.
> >
> >Garie,
> >Who did you email? There is only one list manager, Jim Echleman N3VXI.
> >His email is: lujce@lehigh.edu
> >
> >

> >72, Paul NA5N
>
>
> I sent email to Jim several months ago asking that certain individuals be
banned.
> Since they were not and since they caused more trouble I am out of here.
>
> Color me gone.....
>
> dit dit
>
>
> Chuck Adams, K7QO CP-60
> Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo>
>
> Tmps-2001 Jan 12th -> April 15th, 2001 States = 49 DXCC = 15
>
> States Needed AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6
EA8 EA7 PJ ZL2
>
> Moving to Arizona? --- Bring your own water.
>

Date: Wed, 11 Jul 2001 23:15:53 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@lehigh.edu>
Cc: "mike bryce" <prosolar@sssn.net>, <wa8mcq@erols.com>
Subject: [102302] HW-8 mods wanted for HW-8 Handbook update
Message-ID: <002801c10a80\$f5fee960\$8934fea9@l8a3h1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got mail from Mike Bryce, WB8VGE, saying that he's going to be doing an update to the HW-8 Handbook, hoping to have it ready for Dayton 2002, and asking if I had any new mods. Unfortunately I don't have anything new for him, although I did send him one or two years ago, after the current version came out. If anyone has any HW-8 mods that don't already appear in the HW-8 Handbook, he's like to hear from you. Although he didn't mention it in his mail, I suspect he'd also be interested in mods for the HW-7 and HW-9, since the book contains some for those as well.

If you have anything you think he might be interested in, contact him directly at

prosolar@sssnet.com

73 and queue our pea DE WA8MCQ

Date: Wed, 11 Jul 2001 20:31:47 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102303] Politics, Whining, and a lack of QRP...
Message-ID: <00b101c10a83\$2f8abea0\$fae8b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys and Gals,

Don't know why we have to have all of the heated nasty topics here, but I for one am about ready to unsubscribe myself. You guys sound like a bunch of arguing CB'ers! This list used to be a lot of fun, but for the last few months I've been lurking and just answering to e-mails off the list due too all of the crap in here. Many of you are so involved with shooting each other down that you're missing the fun of it all. It's just a freaking hobby, so if you're having such a lousy time then get outa here and let the rest of us enjoy it. QRP is one of the fastest growing aspects of the hobby, but if I was a new ham and read this list lately, I'd never even consider it. I know that there are a lot of good people involved with this part of the hobby that monitor this list, but it seems like the crap has been taking precedence lately. I don't mind an off topic thread here and there, it keeps it fun, but bashing each other is not for me. Just wondering if anyone else is as disgusted with the list as I am right now.

73
Trev
KG6CYN

Date: Wed, 11 Jul 2001 22:27:02 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <ad6a@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102304] Re: Lawrah
Message-ID: <00d001c10a83\$347ec000\$cb0a4ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Dave Fifield <ad6a@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 9:49 PM
Subject: Re: Lawrah

Hi Dave,

> I agree with you Randy, Laura has been rude to me in the
> past and now, and IMNSHO is too sensitive for her own
> good about the gender thing - she has a problem IMO.

Well, that probably stems from the fact that she works in a male-dominated field. Maybe she figures she has to throw her weight around to get some respect. BTW, I do respect Laura's knowledge, and I do realize that she knows a lot more than me in some areas. I actually respect and listen to her replies. They are most definately signal! OTOH, she comes off as a person that looks at a message, does a search on the web, looking for information that will drill holes in a post. If all of us wanted to take the time to do this, we could do the same exact thing, too.

I mean, what do people want around here? Do they expect everyone to look up every last thing they think about up on the web and research the dang thing for a few days before they post? Sorry, but that's not realistic, especially if you are brainstorming and would just like some comments from your peers. Yes, I can look this stuff up on the web and at the massive university library that is two blocks away from my house. I can also study up on a particular subject for years and years, never, ever posting a message about my findings, but what in the heck would be fun with that? If everyone did this, then I guess we wouldn't need to converse with eachother on QRP-L.

BTW, I've sent Laura many an e-mail asking her to tone it down a tad and try to post messages that weren't so dang

insulting to others. All I've received is blank air and have watched her continue to knit-pick peoples' postings in a rude manner. I warned her about doing this to me the first time it happened, btw, and I gave her many a chance to stop this crap with me in private e-mail. (I bet you folks didn't know that, huh?) She didn't heed my warning about two weeks ago, so I flamed her in e-mail and told her to quit this crap. Now she does it again, and 3 strikes have arrived! She had plenty of fair warning, but she had to push.

> I have been called some pretty bad things on the list before
> and I'm still here....(cries of "shame" from the peanut gallery)

Welcome to the club! :^). I bet I've been called some nastier things than you in private e-mail :^).

> Flame suit on....do your worst/best! (yawn.....)

Well, let me know if you need some slightly used asbestos shirts, pants, and other attire, Dave :^).

> Radio stuff: I have a whole farm of antennas going up into the
> sky this week (at last!) - KT34 tri-bander, R8 vertical, 5 ele
> 6m beam, 10 ele 2m beam, 19 ele 70cm beam, 22 ele 23cm
> beam, 2m/70cm crossed yagis on an az/el rotator for sat plus
> a sprinkling of verticals for VHF/UHF. Now that's more like
> it!

Too kewl! Sounds like a nice antenna farm. I'm jealous :^).

Randy

--

HAMateur Radio: AB5NI

Date: Wed, 11 Jul 2001 22:32:55 -0500 (CDT)
From: ac5ez@webtv.net (Larry)
To: qrp-1@lehigh.edu
Subject: [102305] Color me gone
Message-ID: <6649-3B4D1A67-1117@storefull-112.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit

MIME-Version: 1.0 (WebTV)

Color me gone also. Need to spend more time on the low end of 20m anyhow.

K1zw
Larry
Qcwa

Date: Wed, 11 Jul 2001 23:41:33 -0400
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [102306] More Filters
Message-ID: <20010711.234134.-454485.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just added the following filters, and not just on this List:

Randall Jouett
AB5NI
rules@bellsouth.net

Bye Randy. Have fun trolling on the Lists. At least I won't have to read your missives. I decided that you think that you are a real wit, but you are only half right.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section

My night light runs more power than my Rig!!!
Replies - <mailto:wb2vuo@arrl.net>

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 11 Jul 2001 20:43:32 -0700
From: Dan Tayloe <dtayloe@home.com>
To: n2cqr@clix.pt, qrp-l <qrp-l@Lehigh.EDU>
Subject: [102307] 17mtr DSB: RX news. Need AF amp advice.

Message-ID: <3B4D1CE4.61DC377B@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Next I built a grounded gate JFET (MPF-102) RF amp with tuned circuits at
>the input and output. Toroids and trimmer caps. Manhattan building
>techniques seemed to help a lot in keeping this Amp from oscillating. Soon
>I had the amp connected to the mixer. From the junkbox I found an LM386 AF
>amp circuit that I'd built for an earlier project. That went to the mixer
>output. Now I had a receiver.

>I think it is really cool when you first coax a signal out of a new RX.
>Last night I was peaking the trimmer caps on the RF amp when all of a
>sudden I heard some very faint SSB chatter. I tuned the VXO, tweaked the
>caps a bit more and there it was, the unmistakable accent of a G station.
>I went to be a happy HBer.

>Now I have to build a real AF amp for this RX. I'm tired of the standard
>LM386 or 741 op amp circuits. Isn't there something out there that is 1)
>simple 2) uses discrete components and 3) can drive a speaker? Any
>suggestions?

Bill:

I recommend 80 to 90 db of gain for driving headphones, adding another
20 db to drive speaker levels.

At a guess, you may be getting 15 db from the RF pre-amp, 6 db loss from
the diode mixer, and 40 db gain out of the LM386 for a total gain of
maybe 49 db. Not bad, but those weak SSB signals are likely pretty good
signals.

A low noise op-amp preamp such as a NE5532 (a dual 8 pin low noise
op-amp), or a LM833 after the mixer would help a lot. I recommend one
stage set to 30 db of gain, an L/C low pass filter (see the R2 in the
ARRL Handbook), a volume control, then a second 30 db gain stage
followed by the LM386.

This should give you 100+ db of gain which should be pretty good.

BTW: Most op-amps will not do very well for the preamp op-amps. A 741
is very noisy and is not really intended for audio work! Something like
a TL072 will work, but it has about 12 db more noise than either the
NE5532 or LM833.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Wed, 11 Jul 2001 20:44:11 -0700
From: Dan Tayloe <dtayloe@home.com>
To: n2cqr@clix.pt, qrp-l <qrp-l@Lehigh.EDU>
Subject: [102308] 17mtr DSB: RX news. Need AF amp advice.
Message-ID: <3B4D1D0B.9099E33C@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Next I built a grounded gate JFET (MPF-102) RF amp with tuned circuits at
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op-amp), or a LM833 after the mixer would help a lot. I recommend one
stage set to 30 db of gain, an L/C low pass filter (see the R2 in the
ARRL Handbook), a volume control, then a second 30 db gain stage
followed by the LM386.

A LM386 is ok, but a LM380 is better (lower noise, less distortion).

This should give you 100+ db of gain which should be pretty good.

BTW: Most op-amps will not do very well for the preamp op-amps. A 741 is very noisy and is not really intended for audio work! Something like a TL072 will work, but it has about 12 db more noise than either the NE5532 or LM833.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Wed, 11 Jul 2001 20:45:22 -0700
From: "AC7JO Tucker" <bomc@goodnet.com>
To: qrp-l@lehigh.edu
Subject: [102309] Re: Politics, Whining, and a lack of QRP...
Message-ID: <20010712034523.MYEV450.bnfep01@[209.54.249.192]>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I agree, although my "delete finger" is a bit more often exercised and thus I am not quite so involved. Perhaps it is the early stages of Apathy. Save me, fellow amateurs, save me! Reduce the barage of uninformation and I might be able to recover before paralysis of the code hand and subsequent heart failure result.

This having been said, I fully recognize that I have offended large numbers of people and that I am at risk of being flamed. My only recourse is politeness; please understand that I hold you ALL in the highest regard (OK, OK, except maybe about two of you, and you know who you are) and that this editorial is made with honest respect to ham, to QRP, and even to people who sometimes type in all caps.

73 (and I mean it)

Ross, AC7JO

>From: "Trevor Jacobs" <fxtech@earthlink.net>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Politics, Whining, and a lack of QRP...
>Date: Wed, Jul 11, 2001, 20:31
>

> Guys and Gals,

>

> Don't know why we have to have all of the heated nasty topics here, but I
> for one am about ready to unsubscribe myself. You guys sound like a bunch of
> arguing CB'ers! This list used to be a lot of fun, but for the last few
> months I've been lurking and just answering to e-mails off the list due too

> all of the crap in here. Many of you are so involved with shooting each
> other down that you're missing the fun of it all. It's just a freaking
> hobby, so if you're having such a lousy time then get outa here and let the
> rest of us enjoy it. QRP is one of the fastest growing aspects of the hobby,
> but if I was a new ham and read this list lately, I'd never even consider
> it. I know that there are a lot of good people involved with this part of
> the hobby that monitor this list, but it seems like the crap has been taking
> precedence lately. I don't mind an off topic thread here and there, it keeps
> it fun, but bashing each other is not for me. Just wondering if anyone else
> is as disgusted with the list as I am right now.

>

> 73

> Trev

> KG6CYN

>

Date: Wed, 11 Jul 2001 20:46:21 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [102310] Re: List Manager NOT NEEDED, moderated list maybe?
Message-ID: <20010712034621.80493.qmail@web10006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Joe Spencer <kk5na@quadj.com> wrote:

> Yes, unfortunately you are right Chuck.

>

> I think Jim has decided to let the list consume itself.

>

> When we had a moderator they whined him off the list and now they are
> driving many others away. I too am leaving.

Actually you are both wrong to leave. I have no idea what all the fighting is about because I didn't bother to read the posts. I sent them into the bit bucket where they belonged. It's not hard just mark and delete them. If you get into it with someone either ignore them or take it off the list. Leaving the list just takes your expertise away from those that could use it.

Lot of great posts and information on the list. I really enjoy it. As far as I am concerned the only time this list really had problems was when there was a active list manager a while back. Ideas were being supressed. An open and free list has it advantages and disadvantages. Advantages in that nothing gets censored and all ideas can be bandied about. Disadvantage in that feelings can get hurt and noise can occur

from time to time.

A well moderated list can be a good thing. If the moderator remembers that those who manage best are those that manage least. Ideas get through that the moderator doesn't really agree with. The noise is reduced and feelings don't get hurt very often.

I am surprised that no one has stepped up and started a moderated list.

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail

<http://personal.mail.yahoo.com/>

Date: Wed, 11 Jul 2001 21:47:01 -0600

From: "Rod Cerkoney, N0RC" <rod@n0rc.com>

To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [102311] Re: Lawrah

Message-ID: <03fd01c10a85\$4fad2540\$6401a8c0@c919125b>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

OK this is getting out of hand.

CIVILITY ladies and gentlemen please.

It's time to stop posting, take a few deep breaths, and "chill out" for a while.

Constant

retorts and name calling only serve to inflame the situation further.

73, Rod N0RC

Ft Collins, CO

SuperFest 2001 14-Jul-2001

<http://www.qsl.net/n0rc/hamfest/hamfest.html>

BE THERE!

----- Original Message -----

From: "Randall Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 9:27 PM
Subject: Re: Lawrah

>

> ----- Original Message -----

> From: Dave Fifield <ad6a@earthlink.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Wednesday, July 11, 2001 9:49 PM
> Subject: Re: Lawrah

>

>

> Hi Dave,

>

> > I agree with you Randy, Laura has been rude to me in the
> > past and now, and IMNSHO is too sensitive for her own
> > good about the gender thing - she has a problem IMO.

>

>

> Well, that probably stems from the fact that she works
> in a male-dominated field. Maybe she figures she has
> to throw her weight around to get some respect. BTW,
> I do respect Laura's knowledge, and I do realize that

Date: Wed, 11 Jul 2001 23:56:37 -0400
From: Radioham <radioham@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102312] Re: Paul Washa Book Deals (Updated List) Long
Message-ID: <5.0.2.1.0.20010711234935.00a13dd0@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Last week there was a posting concerning a going out of business sale by Paula Washa Books. The prices looked great and I ordered several at discounts of about 40-50% and more off list. Paul shipped the books very

quickly and I received them in about 7 business days. When I thanked him for the prompt service, he indicated that he still had many left at very good prices.

I am only a very satisfied customer, but, if you have any ham or electronics nooks you need, but didn't want to pay list or near list price, this is your chance. I have bought from Paul before and, unfortunately this is probably the last time.

His info for a complete list of what he has available is:

Paul Washa, W0TOK Phone: 952-472-8991
Email: w0tok@msn.com
4916 Three Points Boulevard
Mound, MN 55364-1245

72/73,

Steve, N4EUK
Reston, VA

Date: Wed, 11 Jul 2001 21:01:14 -0700
From: Dan Tayloe <dtayloe@home.com>
To: tbowman@nbn.net, qrp-l <qrp-l@Lehigh.EDU>
Subject: [102313] Re: [102188] Receiver questions/ LM386
Message-ID: <3B4D210A.17B1A6CE@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>I was doing some work on the old 40-9er this past week and comparing the
>circuit to the Neophyte and others.
>This brought up a few questions:

>- What is the advantage of using a balanced input for the LM386 amp in the
>circuits like the Neophyte and the NorCal 40, as compared to using
>single-ended input?

Using double ended added another 6 db of gain. A good receiver needs about 80 to 90 db gain. The 40-9er I think only had the NE602 and the LM386 (recollection is foggy here).

If so, the NE602 was good for about 20 db of gain, and the LM386 is good for about 40 db for a total of 60 db. Using the differential output of the NE602 and input of the LM386 gained another 6 db, which is much needed for this relatively low amount of receiver gain.

>I'm looking for real-world benefits in using the LM386 in a balanced
>configuration.

Another potential gain in the above example might be better suppression of locally induced noise (Common mode noise) due to the differential post amplification. However, with the lack of audio gain, this likely would not make a big difference.

This gain (common mode noise suppression) is only really effective at the beginning of the gain stage when the signals are small. Differential amplification at the last stage in a normal receiver when signals have already been amplified significantly is kind of a waste.

>Does the LM386 gain go higher with the balanced input compared to
>single-ended input?

Yep. 6 db.

>Is there some reason I should use the two inputs knowing it doubles the
>number of parts I need in the stage before the amp, like a mute switch or AF
filter?

Not in a normal receiver. The audio signal is large enough at the final audio stage where there is nothing left to be gained. At that point, it is a lot of work for another 6 db of gain.

>This same question applies to the NE602 output.
>Anyone want to tell me what are the benefits of using the NE602 in a
>balanced output configuration?

Again, 6 db more gain, and the opportunity to use a differential post detector differential amplifier to have the benefit of common mode noise (i.e. locally generated) suppression.

Good questions Tom!

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Thu, 12 Jul 2001 00:00:31 -0400
From: "Randall M. Payne" <payner1@strato.net>
To: qrp-l@Lehigh.EDU
Subject: [102314] dsp program
Message-ID: <5.1.0.14.0.20010711235859.00a05860@mail.strato.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

With my usual adeptness, I managed to delete the message with the url for the free program. Could someone either send it direct to me or repost it? Thanks and 73,
Randy K4EZM

Date: Wed, 11 Jul 2001 23:02:13 -0500
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [102315] QRP PLEASE:
Message-ID: <01a101c10a87\$6fc48f60\$59c03fd8@8tracker>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All I can say is STOP STOP STOP these attacks.
I joined this group because I was new as a ham and I had met some of giants of QRP such as Doug, Joe, Dr. Megacycle, Jim of 2N22 fame, George and the Chucks and others that have played roles in the QRP and knew that I could learn much from these ELMERS and others on this group. I wanted to learn about kits and building.
Please look at the past few hundred post and you will see nothing from these QRP greats. I wonder why. I ask that if you want to flame someone or have a heated discussion that you take it to private e-mail and use your energy to further ham radio and QRP. I want to increase my knowledge about low power rigs and how to work CW but I do not want to learn how to be rude to people or to belittle others. Thanks you for your time and bandwidth.
Long live QRP.
73
Gene Sailsbury KC0IKY

Date: Thu, 12 Jul 2001 00:05:22 -0400
From: G Brandon Hoyt <preacher102677@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [102316] Re: My Apology to EE's (*Or, Geeks jockeying for position*)
Message-ID: <20010712.001349.-188287.0.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ah, yes!

Being only 23 YOA, I have a distinct clarity in remembering of my high school years, two of which were spent at The Louisiana School for Math, Science, and the Arts, or LSMSA. My boss now nontactfully refers to those days as my "Day School" years because this was a boarding school designed for LA's Intellectual Elite.

Funny thing being is that many conversations now occuring make me chuckle, because I'm reminded of High school, when we Geeks would jockey for position intellectually and socially by making jokes we figgered that the "masses" wouldn't get, like "What's the integral of $1/(Cabin) d(Cabin)$? A houseboat!!" Don't get it? Well, then you get my point. We'd also contunally make references to the most obscure Edgar Allen Poe References we could find, and call each other names like "mucus knees". Anywho, I understand that I haven't quiet grown out of that phase yet (*Many of my contemporaries fall prey to such things as an explanation of why fat girls are more attractive --Gravity you idiots--*), so I'd like to point out that you guys are acting like classic nerdz. (*Giggle*)

I'm just glad that for the most part you guys help me out with neet messages about radio stuff. I've received some practical advice about surface mount construction (SMK-1 Builder here!!!! WOOOOOO DOOGGEEEE YALL BETTA CLEAR THE BAND NOW!) as well as good answers to "idiot questions" that I have posted. Most of you have a lot to give to everyone else and I promise you that you'll be amazed at what happens when thought occurs before comment. Me, I'm just 23, so I don't have any right to say anything from the realm of experience, so I'm very glad this list and others like it exist. I can point out, however, that 10 out of 10 logicians agree that age and experience have nothing to do with truth, and that it's an informal logical fallicy to use just your age and experience for justifying a bad argument.

If you are offended just point your finger at the screen and say "listen here Chester, you can just be spanked" cause that's exactlly what I do sometimes before hitting the delete key.

LIC,

G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
DE KG4GVL Clear.

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 12 Jul 2001 00:35:25 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: "Dave (Small Wonder Labs) Benson" <nn1g@earthlink.net>
Subject: [102317] Re: NEW CALLSIGN
Message-ID: <Pine.BSF.4.33.0107120029210.17444-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

HI Dave,

Does this mean that you are going to stop making Transceivers and go into RECEIVER ONLY BUSINESS ? (SWL :^} Actually I see it as strictly a "BUSINESS DECISION" Now you can write off a portion of your Tag Fees as Advertising. :^}

What does the XYL have on her car? :^}

I guess we all have to change the email addresses next :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 12 Jul 2001 00:44:29 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [102318] Antenna night (part 2)
Message-ID: <d4.8fa8496.287e852d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Let me suggest we try coordinating ANTENNA NIGHT with the MONTHLY SPARTAN SPRINT. You have a good mix of stations from East to West. For lack of any real organized efforts let me suggest a 33 ft vertical or shorter for the first ANTENNA NIGHT. This can be a vertical wire or tubing. It can be one of Dave's QUICKIES or a simple INVERTED WYE. A SLV or an OUTBACKER or even a a Ham Stick.

You can use 3 elevated radials or 16 on ground radials or just a ground rod. The point is VERTICAL NITE.

Alan KB7MBI in Woodinville, WA

Date: Thu, 12 Jul 2001 00:56:10 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [102319] Re: DSP
Message-ID: <Pine.BSF.4.33.0107120035320.17444-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thinking a bit about this DSP Thread, I just went downstairs and scanned thru a couple of Current Ham magazines looking for a Couple of those FB DSP CW Filters, Timewave 599x was one found and another New One AOR. There was at least one more a 9 Land Call, that I could not find just now.

As I recall seeing one of them in action at Dayton a few Years back, They worked Quite Well. They had a Demo Audio Tape with Three CW signals on it which would show up on the PanAdapter Software. The amazing part was how you could zero in on the weakest one and pull it right up out of the mud as if the other two 59+ signals did not even exist.

As I recall Bob White, W03B bought one right there and also got the Development package with computer interface. Bob also happens to work in the Aerospace Communications and Technology Sector. I'll bet his unit can do new tricks by now :^} The point that I am trying to make is that there is already Hardware and software out there to do some pretty amazing stuff. If a person really understood that stuff, I would imagine that 2 or three of them could be hooked up together with a BIG PC and start listening for VOYAGER Signals :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
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"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 12 Jul 2001 01:05:03 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [102320] Name distortion
Message-ID: <5.0.2.1.0.20010712004049.00a98180@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Typing in Laura's name in a derogatory way is totally uncalled for .
Here in Kentucky we don't wear shoes but we are at least gentlemen.
The DSP in the IF strip would be a fun subject and most interesting.
Pete

Date: Wed, 11 Jul 2001 22:29:06 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102321] Re: My Apology to EE's
Message-ID: <01c201c10a93\$92abfde0\$d1414cd1@k6qq>

O.K., it's time for someone to stand up for Randy.

I've been a member of this list since the beginning.

Laura *has* been rude, condescending, sarcastic,
etc. etc. Her technical contributions have been
sometimes useful, but frequently with a sneer about
how hams should already know that stuff, as she does.
Often no information came with the sneer

I remember when someone asked for a translation of

the French saying in her tag line. She replied with something to the effect that civilized people are multilingual. That's not arrogant??

As far as the sexism part, *she* is the one who posted that she was angry at her government because they wouldn't let her marry her same-sex partner. That should *never* been posted to this list!

I have long since quit posting technical information to the list, since my almost 40 years as an E.E. in RF design are not sufficient qualification for this group, and got tired of being flamed.

Add me to those who are "out of here".

John, K6QQ

Date: Wed, 11 Jul 2001 22:55:02 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [102322] Re: My Apology to gEEK's
Message-ID: <F183ZS2TRqf69aZbLAX000005f0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Geez, not me! It's just starting to get good...what a soap opera!

73 John K7FD

>Add me to those who are "out of here".
>
>John, K6QQ
>
>
>

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Date: Wed, 11 Jul 2001 22:59:36 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Cc: elecraft@qth.net
Subject: [102323] N7CQR/P: K2 n' PW-1
Message-ID: <F250czi9yzu23LiC1h10000065c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dan was delivering an admirable signal on 40m cw this evening from his bungalow at Rockaway...one of Oregon's nicest stretches of beach. His K2 and PW-1 at 10' were easily heard at this conductor's qth...

73 John K7FD

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Date: Wed, 11 Jul 2001 23:05:05 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <k6qq@hdo.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102324] RE: My Apology to EE's
Message-ID: <NBEDJCBBKGGMMPNBDCK00EEKCJAA.rmccarty@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Losing K6QQ would be a loss.

Losing Laura is not, for many of the reasons stated eloquently in prior posts.

Now, if everyone who is angry, or bored, or disgusted, or feels personally affronted, or believes that every post should be of interest to them (specifically), or tires easily from the stress induced by the pressing of the delete key, would quietly leave the list, we could get back to Qrp.

No, don't say anything, or post anything..., Just leave.

This too, shall pass.

Roger KD6CC

>
>Add me to those who are "out of here".
>
>John, K6QQ
>
>
>

Date: Thu, 12 Jul 2001 04:57:22 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: rules@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102325] Re:
Message-ID: <3B4D6672.4C781997@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Randy,

Why do you persist in using PUBLIC email for these comments If you used PRIVATE email we would all be spared the list traffic and your reputation might be better!

73

> ----- Original Message -----
> From: Phil (VA3UX) <phil@vaxxine.com>
> To: <rules@bellsouth.net>
> Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Wednesday, July 11, 2001 9:03 PM
>

Date: Thu, 12 Jul 2001 12:23:44 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102326] Re: Polarized Capacitor Question
Message-ID: <007801c10abc\$beafb480\$338e01d9@ingo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello Phil and Denny,

> different marked values then a voltage divider would be needed (I
didn't
> keep the original post so I don't remember exactly what Denny was
proposing).

Here is the orogonal post again for you. ;o)

----<snip>----

I picked up a quantity of tantalum capacitors at a hamfest last weekend
of
various values and voltage ratings. Many are rated at 6 & 10 volts,
which I
figure are of little value to me, but I'm wondering, will putting two of
them in series double the voltage rating? For example, could I
substitute
two 220 uf, 10 volt caps for a 100 uf, 16 volt?
----<snip>----

> ... The voltage will divide equally across the 2 caps in
> series if they have the same capacitance value. So on the surface, no
> voltage dividing network ("bleeder") is required. ...

You are right (see picture) (by caps with not the same value).

```
    o + 15V
    |
----- i.e. 10 uF -> 10V
-----
    |
----- i.e. 5 uF -> 5V
-----
    |
    o GND
```

But Denny wanted to use however two equal caps.

If I use tantalum capacitors, then I need caps with small leakage
current. Which is then with the parallel resistors? I do not know
whether Denny can live thereby. I do not know the targeted application.

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Thu, 12 Jul 2001 06:56:08 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102327] Re: Alright Already!
Message-ID: <002301c10ada\$697afa60\$ad7c2526@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

sounds to me folks, after hearing all of this poop and especially after this post, that randell thinks to much of himself. maybe randell should be the one leaving the list...
just ones opinion...

john k2jhu..

----- Original Message -----

From: "Randall Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 6:21 PM
Subject: Alright Already!

> Folks,
>
> Ok, I was totally and absolutely wrong in what I said
> to Laura. Laura, I can be a complete and total idiot
> and times, and I have a short fuse and temper worse
> than a badger. It gets the best of me quite often, and
> sometimes I say stuff that I shouldn't. Please don't leave
> the list! I'm very sorry for calling you the b-word, and
> that was totally uncalled for. I went off we you said
> "re-invent the wheel" when I hadn't even finished
> explaining myself. I guess what I should have done
> is explained my ideas to you and others in a clear,
> concise manner.
>
>
> There is one thing, though, that I mentioned before
> in my first message. I said that, more than likely,
> my DSP thread was going to turn into a flame war.
> Every time I post a very technical message to this
> list, somebody has to jump in and tell me that I'm full
> of it in a rude manner. You never see anything like,
> "Well, it would be neat if something like that could

> work, Randy, but there's a slight problem with your
> idea." I can handle something like that, but a "re-invent
> the wheel" remark is down-right rude. Why not say
> something like, "Well, that has been tried before by
> W5??? and his bunch. You can see their data at
> www.w5???.com. Maybe you might be able to expand
> on it. Good luck, and 73." That is the type of reponse
> that I give and expect from others.
>
>
> Anywho, you have to admit that Laura should have never,
> ever inserted that "re-invent the wheel" remark. That was
> completely and totally uncalled for, especially when she didn't
> even finish hearing me and others out on the subject. She just
> made up her mind and said it has already been done and that
> we were waisting time with the discussion. I expect an apology
> for that remark.
>
>
> Laura, again, I am very sorry for the name calling. I was totally
> out of line with that remark.
>
> Randy "Eatin Crow" Jouett
> --
> HAMateur Radio: AB5NI
>
>
>
>
>

Date: Thu, 12 Jul 2001 06:57:33 -0700
From: "John Dorson" <JDORSON@worldshare.net>
To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102328] Re: My Apology to EE's
Message-ID: <002a01c10ada\$99f67a20\$ad7c2526@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

this guy is a mental case..

john k2jhu..

----- Original Message -----

From: "Randall Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 6:29 PM
Subject: Re: My Apology to EE's

>
> ----- Original Message -----
> From: Denis Englander <ko6gfh@slip.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Wednesday, July 11, 2001 8:13 PM
> Subject: Re: My Apology to EE's
>
>
> Hello,
>
>
> > Ironical that your discussion was regarding DSP
> > filtering. You ask for help, yet you would bite the
> > hand of those most qualified to help you. Indeed?
>
> When they are rude, you bet, and every single time,
> too!
>
> > Your future posts will be filtered by my Email Program
> > DSP Ignore Mode.
>
> Fine with me.
>
> Randy
>
> P.S.
>
> For everyone that sends me this type of message,
> you are permanently added to my filters. Also, isn't
> it funny that none of you have said that Laura was
> rude with her "re-invent the wheel" remark. HMMM.
>
>
>
>

Date: Thu, 12 Jul 2001 06:59:18 -0400
From: "Mike Yettsko" <myettsko@insydesw.com>
To: <dk3red@t-online.de>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [102329] Re: Polarized Capacitor Question
Message-ID: <005e01c10ac1\$ec313be0\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Caps may NOT evenly divide a DC circuit into predictable points when they are in series.

I would think that caps in series would do that, especially if the caps were of the same type and otherwise fairly similar, but in a DC circuit, you may have slight differences in leakage of the caps and now the voltage divide will be skewed.

It's probably not a big deal, but if you were using multiple caps to push the 'voltage limit', then it may be an issue. 4 caps at 400V to go into a 1500v+ circuit would be awful touchy if one of the caps was a bit 'different' than the others, All it would take is a bit more bleed through one cap and now the others could all be over spec.

Practically, at the original question of two 5v caps used in a 10v circuit it would probably never ever be an issue, but when people started talking about the HV circuits... In those cases, the bleeder resistors do MORE than juts bleed. They establish a KNOWN voltage divider reference for the caps in series!

Mike

----- Original Message -----

From: Ingo DK3RED <dk3red@t-online.de>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, July 12, 2001 6:23 AM
Subject: Re: Polarized Capacitor Question

> Hello Phil and Denny,
>
> > different marked values then a voltage divider would be needed (I
> didn't
> > keep the original post so I don't remember exactly what Denny was
> proposing).
>

> Here is the original post again for you. ;o)
>
> -----<snip>-----
> I picked up a quantity of tantalum capacitors at a hamfest last weekend
> of
> various values and voltage ratings. Many are rated at 6 & 10 volts,
> which I
> figure are of little value to me, but I'm wondering, will putting two of
> them in series double the voltage rating? For example, could I
> substitute
> two 220 uF, 10 volt caps for a 100 uF, 16 volt?
> -----<snip>-----
>
> > ... The voltage will divide equally across the 2 caps in
> > series if they have the same capacitance value. So on the surface, no
> > voltage dividing network ("bleeder") is required. ...
>
> You are right (see picture) (by caps with not the same value).
>
> o + 15V
> |
> ----- i.e. 10 uF -> 10V
> -----
> |
> ----- i.e. 5 uF -> 5V
> -----
> |
> o GND
>
> But Denny wanted to use however two equal caps.
>
> If I use tantalum capacitors, then I need caps with small leakage
> current. Which is then with the parallel resistors? I do not know
> whether Denny can live thereby. I do not know the targeted application.
>
> 72 de Ingo, DK3RED
>
> E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red
>
>

Date: Thu, 12 Jul 2001 05:29:33 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Randall M. Payne" <payner1@strato.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [102330] Re: dsp program
Message-ID: <Pine.LNX.4.33.0107120526260.1294-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Start with: <http://www.qsl.net/vk2zto/> and in the discussion on dsp he gives the url for that program. I have not got it working yet. But it looks very nice.

On Thu, 12 Jul 2001, Randall M. Payne wrote:

> With my usual adeptness, I managed to delete the message with the url for
> the free program. Could someone either send it direct to me or repost it?
> Thanks and 73,
> Randy K4EZM
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 12 Jul 2001 05:44:01 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Michael Melland <w9wis@charter.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102331] Re: FT-817 Reverse Power Protection ?
Message-ID: <Pine.LNX.4.33.0107120539300.1294-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike, the zenor does not regulate. What it does is draw a lot of current and blow the fuse if the voltage is above 12 vdc. It acts like a normal diode with reverse voltage and blows the fuse. The zenor action might not work as well as you want. Never tried that. But a reverse connected plain diode will protect against reverse voltage every time. My Ten Tec Argonaut has that built in and I have tested it by accident several times in the past 25 years!

On Wed, 11 Jul 2001, Michael Melland wrote:

> The FT-817 as shipped from Yaesu is provided with a simple lead with a
> coaxial plug on one end for the external power protection. There have been
> several reports of smoke being let out of them by inadvertant reverse power
> hook-up. There apparently isn't any built in protection in the rig.
>
> One of the popular FAQ's on the FT-817 has a suggested fix to provide over
> voltage and reverse power protection. Place a 2.5 amp pico fuse (rig draws
> abt 2.0 amps at 5 watts) close to the power hook-up end in series with the
> positive lead and a Zener diode (15 or 16 volt, 1n4745 or 1n4744a) across
> the leads above the fuse with the cathode to the positive lead and the anode
> to the negative lead. The fuse will then blow if reverse power is applied.
>
> I guess I'm dense.... I know a Zener makes a good voltage regulator but how
> does it regulate the voltage in this instance to provide over voltage
> protection ? It seems to me more like it creates a one way circuit that
> will pop the fuse if reverse power is applied in this application. What am
> I fouling up here ??
>
> Any other ideas to provide power protection ? I was thinking of utilizing
> the NoGAPiG for protection because besides battery power many use power
> supplies with unknown voltage and current protection.
>
> 72/73 de Mike
> --
> Michael Melland, W9WIS
> Winneconne, Wisconsin USA EN54pc
> qrp-l #1656 - qrparci # 9875 - iparc #252
> <http://www.qsl.net/w9wis>
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 12 Jul 2001 06:46:05 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <buydens@duke.usask.ca>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [102332] Re: I Have An Idea (fwd)
Message-ID: <002901c10ac8\$3c8d1360\$45084ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Brian.Buydens@usask.ca <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 10, 2001 4:19 PM
Subject: Re: I Have An Idea (fwd)

Hello Brian,

> Firstly, thanks for starting a technical thread.

You're welcome, and it is my pleasure to post
signal to the list, even when I'm in a flame war,
although I've decided to ignore the rest of the
postings on that subject.

> From the responses I have seen the reaction
> seems to vary from "What is sampling?" to "Been there,
> done that. Yawn. Wake me up when something interesting
> happens." Now if only we could entice the yawning people
> to write a tutorial for the "What is sampling" people.

Well, I've been thinking about doing this, but I fear
that I'll probably have to start at a very basic level,
teaching people Von Neumann architecture and
other neophyte-level stuff in computer science. I'm
willing to do this, if others are interested, but it's
going to take time. So, if I get enough responses
asking me to do this, then I'll be more than happy to
write up a few articles on the subject and post it
to the list.

For the time being, let's just say that DSP stands
for Digital Signal Processor, and that a DSP is
nothing more than a floating-point, numeric processor
that contains internal analog-to-digital conversion (ADC)
circuitry on its input. Also, the specialty of this processor is
mathematics processing. That is, this type of processor is just
a fancy adding machine that has been optimized to do
addition, subtraction, multiplication, and division very,
very, quickly, and it's overall specialization is floating-point
mathematics. Very, very basically, that's what a DSP is,

although it does have a few other minor things that make it special.

Here a basic explanation of sampling. Imagine having a microphone and a tape recorder and your disposal. You go outside of your home and absolutely have to get a copy of that bird that is singing on your fence. There is only one problem. Your taperecorder can only copy for one second at a time, and then it shuts off. The only way you can get it to record again is by power cycling the unit. Not only that, but, unfortunately, the tape that you are using only has 5 seconds of normal recording use left on it, and you don't have another tape at hand :^). This is a nice, expensive taperecorder, though, and has the ability to record things at varying rates. It can either record very quickly, or it can do it very slowly, extending the five seconds left to 15 seconds.

Ok. Now you go outside and say, "Well, I only have five seconds of tape left, but I can reduce the copying rate and get 15 seconds out of it, and that should be enough to copy this wonderful bird song. 5 seconds of copy just wouldn't do!" There is a problem here, though. When reducing the recording speed, you are also reducing the resolution of the copy, and you'll lose a lot of the frequency response. You decide that you can live with this and copy the bird's wonderful song any way.

In above analogy, every time you power-cycle the recorder, you are copying or "sampling" the bird's song. If you were fast enough on the switch, though, you wouldn't lose too much of the data. If you were quick enough, you might even be able play the recording back and have a semi-decent representation of the bird's song.

A DSP is a time and frequency-domain device that is capable of doing ADC and manipulating data streams mathematically. They do analog-to-digital conversion at a given rate and resolution, apply mathematical algorithms to recorded (sampled) data, and can store this data either internally (on chip), or externally, such as in a sound card's memory buffer or in your computer's memory (via direct-memory access).

If you were to use your sound card and it's DSP to record the bird, here's what would happen. The microphone's analog input would be converted by the DSP to digital, numeric data. It would do this at a user-defined sampling rate, measured in KHz, which most of us have seen when we make sound recordings with Sound Recorder, which is provided with Windows. For high-resolution recordings, higher sampling rates are required, and this requires more memory area for the DSP to store its translated data. For instance, 8-bit recordings/samplings are nothing more than analog voltages translated by the DSP to 8-bit, signed, numerical data, spanned from positive 128 to minus127. 16-bit, CD-audio quality recordings are done at 16 bits of resolution and are played back using 48 KHz of bandwidth. OTOH, when the are recorded, they are recorded at 100-KHz sampling rates. This is known as over-sampling. Eventually, this numeric data is output to a digital-to-analog converter, amplified, and output to a speaker for us to hear.

> From what little I know Signal processing is a fascinating topic
> that can be as simple or as complicated as one wants to make it.

Yep. Too true! Well, it's not really that complicated if you have a decent background in matematics. I don't think you'd have any problems understanding the concepts. It's nothing more than ADC conversion, manipulate the data via algorithms, and output the data to a digital-to-analog converter. Admittedly, the "manipulation" portion is the hairy dog :^), and a background in calculus would definately help. I absolutely love math, and some of my friends at the local university tell me that this is because I'm a musician, and they've recently found out that math and music have many correlations. Kewl!

> I remember a few years ago seeing an article in "Scientific American" where
> the author deliberately introduced random noise into a signal in order to
> increase intelligibility. The theory was that some of the signal might be
> too weak for the sensitivity threshold of the recording equipment but
> signal + noise would be loud enough. The noise could then be filtered
> out.

Kewl! My subscription ran out a few years ago. I guess I need to take care of that and renew it. Hmmm. Now that I think about it, I also need to update my subscriptions to Sky & Telescope,

QST, and Time Magazine, too. Gives me something to do this morning besides cutting the grass :^).

> DSP can also be as simple or as complicated as one wants to make
> it. For example a very simple scheme is "Forward Averaging" where a
> sample at time t_0 and another at t_0+h (where h is small) are averaged. If
> the noise is random averaging should tend to cancel the noise somewhat and
> the average signal should be cleaner than the starting sample. Of course,
> the average signal in this scheme will be out of phase with the original
> sample by a time factor of h . (This may or may not be important, it
> depends on the application.)

Hmmm. Kewl! Being a layman here, I'd think that the important thing here would be time. If we were to use user-agreed transmission rates, the algorithms should simplify to some extent, and this might also might help us deal with phase-distortion problems a bit, too. Isn't time a wonderful thing? Well, it can be a pain, too :^).

> In terms of detecting signals I would start with something simple
> like CW. Perhaps there is some literature on "Coherent CW" that might
> talk about using DSP. Since CCW is computer generated you have the added
> benefit of having all the dahs and dits precisely spaced so the software
> should be able to predict when the next sound should happen.

Yes. Exactly, and this is what I'm talking about when I mention time. We should be able to use it to our benifit!

> This is a topic I too am interested in so with out further ado I
> will shut up and let the real experts have a go at it.

It is kewl and it "rulez!", as Beavis might mention :^).
BTW, this is where I get the "rules" in my e-mail
address :^). It tried to get, "itrulez," and "itrules,"
but somebody already beat me to the punch :^/.
Dang -- I really miss Beavis and Butthead!

> Once again, thanks for the technical post.

No problemo! Hopefully, we can get back on
topic and the rude people will keep quiet for
a change. Either that, or they'll change there
ways and reply and trash my DSP explanation
using some tact! I'll believe THAT when I see it.

Randy
--

HAMateur Radio: AB5NI

Date: Thu, 12 Jul 2001 08:18:16 -0400 (EDT)
From: Stephan Greene <sgreene@patriot.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102333] Fixing A Messed up R8 Antenna
Message-ID: <Pine.LNX.4.10.10107120815420.21359-100000@tzion.greene.lan>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A friend who is a new ham (passed Tech and General within about a month) and a budding QRP'r is having problems with his new Cushcraft R8. The antenna is showing ridiculous SWR readings across all bands. I'm not going to burden the list with the details; I will forward his email off-list to anyone who thinks they can help.

He's done some tests with an MFJ antenna analyzer and located several regions where performance looks reasonable. NONE are anywhere near the amateur bands.

I'd like to put him in touch with someone who has a working R8 and (ideally) knows enough about how it is supposed to work that they can talk him through further troubleshooting. I've never seen an R8, and I'm on the wrong side of the country from my friend (he's in CA, I'm in VA) to offer hands-on help.

Please reply direct. Once we have things resolved, I will post a summary.

Thanks!

72
Steve KA1LM

Stephan A. Greene sgreene@patriot.net
HAM: KA1LM@amsat.org QRP-L #232 Grid FM18hx 38 59'83.33"N 77 23'6.15"W

Date: Thu, 12 Jul 2001 08:12:14 -0400
From: "Alex Turner" <aturner13@triad.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102334] Antenna support
Message-ID: <014401c10acb\$e2c9cf40\$9ede1a42@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like some opinions on using one of the fiberglass poles as a semi-permanent support for a dipole. I don't have any trees and thought of using one of these. I have to use something that is light enough for me to handle and still be about 30 feet if possible. Has anyone had one up for awhile and how does it withstand weathering?
Any other ideas for a support also appreciated. It's hard for me to physically handle anything that is heavy.

Alex Turner N4BYJ

Date: Thu, 12 Jul 2001 07:23:26 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@Lehigh.EDU>
Subject: [102335] FS - Keylite Keyer
Message-ID: <000401c10acd\$84c41160\$a7a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FS - Keylite Keyer - \$50 shipped

You can learn about it at http://www.knightlites.org/new_page_9.htm . It's a really neat keyer but I can send with a paddle faster than I can send with a keyboard. (My sending's not great - my typing's bad!) When the kit was announced, instead of reading the specs, I foolishly jumped to the conclusion that it would also read-out what I was sending with my paddle. I thought that would be neat for visitors to my shack, but since it of course doesn't do that, it won't be getting much use.

It's built & labeled, and I can email a picture if you want.

Thanks,

Denny Payton N9JXY

Date: Thu, 12 Jul 2001 08:17:37 -0400
From: "Don Wilhelm" <w3fpr@arrl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [102336] Color me gone
Message-ID: <00c101c10acd\$65317cc0\$715ee641@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Sorry folks,
Things have gotten quite out of hand here, and I do not have time for such nonsense.
I subscribed to this list for over 5 years, and have enjoyed it in the past.
I do not have time or desire to set individual filters, and certainly do not have any tolerance for the gender attacks that are currently being made.

You can color me gone too.

73

Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>
QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

Date: Thu, 12 Jul 2001 08:30:38 -0400
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102337] Re: FT-817 Reverse Power Protection ?
Message-ID: <3B4D986D.92BC5537@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Most of us NoGaNaughts use a NoGaPiG with all of our QRP rigs when building and operating. They even came in handy during Field Day to alert us that our batteries were getting low.

They are \$13 + \$2 S/H.

North Georgia QRP Club

P.O. Box 173
Grayson, GA 30017

Pickett, AD4S (NoGa PiG Purveyor)

Michael Melland wrote:

>
> The FT-817 as shipped from Yaesu is provided with a simple lead with a
> coaxial plug on one end for the external power protection. There have been
> several reports of smoke being let out of them by inadvertant reverse power
> hook-up. There apparently isn't any built in protection in the rig.
>
> One of the popular FAQ's on the FT-817 has a suggested fix to provide over
> voltage and reverse power protection. Place a 2.5 amp pico fuse (rig draws
> abt 2.0 amps at 5 watts) close to the power hook-up end in series with the
> positive lead and a Zener diode (15 or 16 volt, 1n4745 or 1n4744a) across
> the leads above the fuse with the cathode to the positive lead and the anode
> to the negative lead. The fuse will then blow if reverse power is applied.
>
> I guess I'm dense.... I know a Zener makes a good voltage regulator but how
> does it regulate the voltage in this instance to provide over voltage
> protection ? It seems to me more like it creates a one way circuit that
> will pop the fuse if reverse power is applied in this application. What am
> I fouling up here ??
>
> Any other ideas to provide power protection ? I was thinking of utilizing
> the NoGAPiG for protection because besides battery power many use power
> supplies with unknown voltage and current protection.
>
> 72/73 de Mike
> --
> Michael Melland, W9WIS
> Winneconne, Wisconsin USA EN54pc
> qrp-1 #1656 - qrp-parci # 9875 - iparc #252
> <http://www.qsl.net/w9wis>

Date: Thu, 12 Jul 2001 08:36:56 -0400
From: G Brandon Hoyt <preacher102677@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [102338] Proof that the Youth are Revolting!!!!
Message-ID: <20010712.083659.-255575.2.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

My SMK works! It really works,

It be workin' real tight, too yo!!!
Well, now I just gots to QSO, maybe with Gene tonight, but You know, I'll
be listenin' out for all. Man that rx is tight! I like that that DC
job. Anyone build the Binaural RX job found in the Arrl handbook?
I believe you did, Ed W4RFI
LIC,
G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
DE KG4GVL/AE Clear.

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 12 Jul 2001 08:41:26 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: N7SG K7FD <k7fd@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102339] Re: My Apology to gEEK's
Message-ID: <XFMail.20010712084126.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

What? You're not going to demonstrate your righteous indignation by announcing
your
departure to all and sundry? How are people going to know how wonderful and
liberal
and kind hearted, etc, etc, if you don't announce it?

John W2AGN (card-carrying misogynist, conservative, grouch)

On 12-Jul-2001 N7SG K7FD wrote:
>
> Geez, not me! It's just starting to get good...what a soap opera!
>
> 73 John K7FD
>

Date: Thu, 12 Jul 2001 08:49:56 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102340] Antenna Night (part 2)
Message-ID: <3B4D9CF4.C687E4E2@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang--

Why not give Alan's KB7MBI suggestion a try? It will provide those of us who are vertical-deprived a chance to throw something up and see if we can make it work.

Should we add some identifier to the usual Sprint exchange??

73
Ken KG4FGC

Date: Thu, 12 Jul 2001 14:50:33 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [102341] Re: Antenna support
Message-ID: <01b801c10ad1\$3fec300\$338e01d9@ingo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Alex,

> I would like some opinions on using one of the fiberglass poles as a
> semi-permanent support for a dipole. I don't have any trees and
> thought of using one of these. I have to use something that is light
> enough for me to handle and still be about 30 feet if possible. Has
> anyone had one up for awhile and how does it withstand weathering?

Take the DK9SQ mast from Kanga US. I use the mast (direct from Walter, DK9SQ) here permanent as main antenna
<http://www.t-online.de/~dk3red/en/station.htm#ant1>
and I am happy with it. You can buy a copy of these mast also by MFJ, but ... (see e-mail as P.S.).

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

P.S.

---<snip>---

Von: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
An: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Gesendet: Donnerstag, 14. Juni 2001 5.51
Betreff: MFJ / DK9SQ Mast Comparison

Here is the text of something I posted to the 817 group a few days ago about the DK9SQ mast and the MFJ mast

I am the North American supplier of the DK9SQ mast. DK9SQ supplies me with the mast from Germany, and I do all the North American Sales except for Dayton - Walter enjoys Dayton, so he comes over each year and sells masts to pay for his trip. This year at Dayton we changed our arrangements a bit, and I will now be doing more advertizing, sales, and support here in North America. You may have noticed my ads in the major amateur radio publications the past few months.

The mast is priced at \$99. Shipping in the US is \$7 - either Priority Mail or UPS (I prefer UPS). Shipping to Canada is \$15 (via mail). Shipping to other countries is at actual cost. I can take check, MO, VISA, or MC.

I bought an MFJ mast at Dayton to see what the differences were. Below is a description of the DK9SQ mast and the MFJ mast with the differences.

Both the DK9SQ mast and the MFJ mast are the same physical size. Both have ten tapered telescoping sections which lock by friction when extended. When collapsed the masts are 46" long. The maximum diameter of the mast is 2 1/8" at the base. It is 1 3/4" dia at the top of the bottom section. The top of the top section of each mast is less than 1/8" diameter. The MFJ has an eyelet on the top - the DK9SQ mast does not. The DK9SQ mast weighs in at 3 1/4 lbs. The MFJ is 3 5/16 lbs.

The bottom 5 sections of the DK9SQ mast have metal reinforcing rings at the top of each section. The MFJ does not. The DK9SQ mast is made of black fiberglass. The MFJ mast is made of regular fiberglass and coated with a shiny black coating.

The bottom 5 sections of the DK9SQ mast have a rough surface on part of each section to make it easier to grip the mast when extending or collapsing the mast. The MFJ is entirely coated with the shiny black coating.

The DK9SQ mast comes with a cloth carrying case, the MFJ has a clear

plastic carrying case.

I have not done any destructive tests to see if there is any difference, but I would guess both masts are similar in strength. Because of the shiney coating, I would guess that the MFJ mast would collapse inside itself sooner in a wind that would work the joints loose - my opinion only - I have not had the MFJ up in a wind yet.

DK9SQ also supplies antennas that are designed to work with the mast. It appears that the size of the MFJ and the DK9SQ masts are close enough so that the antennas will also work with the MFJ mast. I have placed the center support for the loop on the MFJ, and it fits, but not as tight as on the DK9SQ mast.

These are my observations and comments. Yes - I DO have an interest in the DK9SQ mast - I sell them.

If you have questions about the DK9SQ mast or the antennas, drop me an e-mail at kanga@b... More info and pictures are on my web site at www.bright.net/~kanga/kanga/ Look in the DK9SQ section....

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

---<snip>---

Date: Thu, 12 Jul 2001 08:50:32 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [102342] Re: 2M QRP rig Design
Message-ID: <125490A005E3D3118C9C00805FC743CC027E2E84@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I just got a few \$16 HUD-3H mixers from Mini-Circuits
+37 dBm IP3 with 16 dB LO, but the IF needs to
be between 0.5 and 20 MHz--Zack W1VT

Date: Thu, 12 Jul 2001 08:10:03 -0500
From: Wayne Williams <aa5jj@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102343] HOW LONG IS THIS JUNK MAIL GOING TO GO ON ?
Message-ID: <3B4DA1AB.25DCF705@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

ALRIGHT LETS GET OFF OF THE LIST WITH ALL THIS BICKERING NO ONE WANTS TO HEAR WHAT YOU DONT LIKE ABOUT SOMEONE ELSE, GROW UP AND LETS GET BACK TO TALKING RADIO AGAIN. IF YOU HAVE A PROBLEM WITH SOMEONE TALK TO THEM NOT EVERYONE ON THE LIST. I KNOW SOME PEOPLE WANT EVERYONE TO HEAR WHAT THEY HAVE TO SAY BUT THERE IS ALOT OF US THAT DON'T CARE WHAT YOU HAVE TO SAY, GET BACK TO RADIO AND SEND PRIVATE MESSAGES TO THE PERSON YOU HAVE A PROBLEM WITH.....IF YOU ARE MAN ENOUGH, GETS PERSONAL THAT WAY.

GOD BLESS AND LETS ALL HAVE FUN THIS IS A HOBY.

Date: Thu, 12 Jul 2001 09:16:29 -0400
From: "Chris" <w4yyz@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102344] Re: HOW LONG IS THIS JUNK MAIL GOING TO GO ON ?
Message-ID: <03f001c10ad4\$dcba83c0\$7e4e2041@blitzk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Your caps lock seems to be broken... Most computer stores have keyboards for under \$10.00.

----- Original Message -----

From: "Wayne Williams" <aa5jj@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, July 12, 2001 9:10 AM
Subject: HOW LONG IS THIS JUNK MAIL GOING TO GO ON ?

> ALRIGHT LETS GET OFF OF THE LIST WITH ALL THIS BICKERING NO ONE WANTS TO
> HEAR WHAT YOU DONT LIKE ABOUT SOMEONE ELSE, GROW UP AND LETS GET BACK TO
> TALKING RADIO AGAIN. IF YOU HAVE A PROBLEM WITH SOMEONE TALK TO THEM

> NOT EVERYONE ON THE LIST. I KNOW SOME PEOPLE WANT EVERYONE TO HEAR WHAT
> THEY HAVE TO SAY BUT THERE IS ALOT OF US THAT DON'T CARE WHAT YOU HAVE
> TO SAY, GET BACK TO RADIO AND SEND PRIVATE MESSAGES TO THE PERSON YOU
> HAVE A PROBLEM WITH.....IF YOU ARE MAN ENOUGH, GETS PERSONAL THAT
> WAY.
>
> GOD BLESS AND LETS ALL HAVE FUN THIS IS A HOBY.

Date: Thu, 12 Jul 2001 08:17:35 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <dtayloe@home.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102345] Re: 17mtr DSB: RX news. Need AF amp advice.
Message-ID: <004301c10ad5\$4c315da0\$82094ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Dan Tayloe <dtayloe@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 11, 2001 10:43 PM
Subject: 17mtr DSB: RX news. Need AF amp advice.

Hey Dan,

> A low noise op-amp preamp such as a NE5532 (a dual 8 pin low noise
> op-amp), or a LM833 after the mixer would help a lot. I recommend one
> stage set to 30 db of gain, an L/C low pass filter (see the R2 in the
> ARRL Handbook), a volume control, then a second 30 db gain stage
> followed by the LM386.

I can understand you telling Bill to use the LM386, especially with
its availability just about any where, but why am I not seeing people
recommend the LM380N8? It's a nice device, and it can even drive
a small speaker. If ordered in lots, it can be pretty cheap, too. Just
curious as to why I'm not seeing this chip in more designs.

Randy

--

HAMateur Radio: AB5NI

Date: Thu, 12 Jul 2001 09:16:32 -0400
From: "Paul G Kaczmarek" <Paul.G.Kaczmarek@USA.dupont.com>
To: qrp-1@Lehigh.EDU
Subject: [102346] FS: Fluke 99B Scopemeter
Message-ID: <85256A87.0048B570.00@CDCLN08.LVS.DUPONT.COM>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FLUKE 99B 100 MHz Scopemeter

- * Bright blue backlit LCD
- * Bandwidth of 100 MHz and 5GS/s repetitive sampling rate
- * Autoranging true-rms multimeter features including advanced measurements, diode test and continuity beeper, and DMM measurements with waveform
- * 4 hour NiCad battery
- * Full video triggering including NTSC, PAL, SECAM and Hi resolution
- * TrendPlot meter logging with time/date stamp
- * 30k deep memory

List Price: \$2,195.00

Like new, used very little. \$1200. I have a chance to upgrade so I need to sell this scopemeter. A really good deal on a nice addition To your bench.

Paul KB2TPA Cheektowaga, NY Pepperdog, USMC, TT Argosy, Sierra,

Date: Thu, 12 Jul 2001 09:35:55 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102347] MH101: Aligning the SW-30+
Message-ID: <3B4DA7BB.B9384175@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not sure if I can still get an answer to this question here, but I'll

toss it out anyway;

I'm not 100% certain my Manhattan style SW-30+ is aligned correctly. I've aligned it by tuning to a loud CW signal on the band and then peaking T1 until it's as loud as possible. However I've found that people consistently answer my CQ a little higher than I'm calling (and I haven't yet built a RIT).

Now, on my "big rig" I zero beat by generating a sidetone and tuning until it matches (is "in tune" for lack of a better explanation) the other signal. I plugged both of these rigs into dummy loads and zero beat the SW-30 with my Icom. I then transmit from the Icom and hear the signal in my SW-30, but it isn't zero beat, it's lower than the sidetone that the SW-30 is making.

Is this making sense? Can someone point me in the right direction?

Tnx es 73 de John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Date: 12 Jul 2001 06:34:18 -0700
From: W2BJ <barry@minsky.org>
To: w6toy@erols.com
Cc: qrp-1@Lehigh.EDU
Subject: [102348] Re: re. Apology to EEs
Message-ID: <20010712133418.3150.cpmata@c001.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

On Wed, 11 July 2001, Bruce Muscolino wrote:

>
> Has anybody considered that if more of us used the PRIVATE reply feature
> of our browsers we wouldn't have as many problems? It seems to start
> with a desire to be rude or cute in a posting. If we used the PRIVATE
> email feature we would cut down on the amount of list traffic, redundant
> posts, and nasty behavior.

>
> My own personal opinion.

>
> 73

Bruce and All,

Great idea. I am in Ham Radio for the fun and friendships. I have minimal

technical expertise and appreciate the posts of others who know more than I do. Let's keep this great list centered on QRP related issues and avoid flaming one another. I, for one, am staying. However, I would like to see some changes. If you have a problem with someone, write to that person and leave me and others out of it.

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L,
FISTS #2701, Century Club #569, Platinum #51,
Silver #119, FISTS CW Club of Coastal Georgia,
Knightlites, Adventure Radio Society #359, QCWA
#29298, OOTC #3723, SOC #193, K2 #577, K1
#98

Date: Thu, 12 Jul 2001 09:43:38 EDT
From: Shepherd@aol.com
To: <qrp-l@lehigh.edu>
Subject: [102349] Re: My Apology to EE's
Message-ID: <10f.269581a.287f038a@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Ok, I've been quiet on this as well.
It's time for us to all step back and say to ourselves,
"What Would Jesus Do"? Not Jesus Christ, but Jesus Rodregaz the guy that works at
our local Meijers store.
He would remind us all of the great Monty Python song:

The Idiot Song

=====

How sweet to be an Idiot,
As harmless as a cloud,
Too small to hide the sun,
Almost poking fun
At the warm but insecure, untidy crowd.
How sweet to be an idiot,
And dip my brain in joy,
Children laughing at my back,
With no fear of attack,
As much retaliation as a toy.

How sweet to be an idiot. How sweet.

I tiptoed down the street,

Smiled at everyone I meet,
But suddently a scream
Smashes through my dream.
Fee fie foe fum.
I smell the blood of an asylum.
(Blood of an asylum. But mother, I play so beautifully. Listen. Ha ha.)
Fie fye foe fum.
I smell the blood of the asylum.
Hey you. You're such a pennant.
You got as much brain as a dead ant,
As much imagination as a carvan sign,

But I still love you. Still love you.
Oooh, how sweet to be an idiot.
How sweet. How sweet. How sweet.

VII II, 00
Dan, NviiiIE

Date: Thu, 12 Jul 2001 06:45:05 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [102350] Re: Antenna Night (part 2)
Message-ID: <F149KDkb9pPFR6sKBEr00000a5f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

KG4FGC/VD ? Hmmm, maybe not.

73 John K7FD

>Gang--
>
>Why not give Alan's KB7MBI suggestion a try? It will provide those of
>us who are vertical-deprived a chance to throw something up and see if
>we can make it work.
>
>Should we add some some identifier to the usual Sprint exchange??
>
>73
>Ken KG4FGC

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 12 Jul 2001 08:56:44 -0500
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@lehigh.edu
Subject: [102351] Childish behavior
Message-ID: <200107121356.JAA22325@tisch.mail.mindspring.net>

It seems that some people behave just as badly on e-mail as some others do on the air.

Name calling and personal attacks have NO place on any list, Randy. Ever, period, under any circumstances.

Throwing an idea as grandiose as that in front of a large forum is always going to generate some critical responses. None of the criticisms were "attacks" and all had content worthy of consideration.

Offering criticism of an idea is not equivalent to insults or name calling.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Thu, 12 Jul 2001 10:00:52 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: aturner13@triad.rr.com, qrp-l@lehigh.edu
Subject: [102352] Re: Antenna support
Message-ID: <3B4DAD94.9D5D684F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex,

The major caution about fiberglass supports is that they will take a "set" if they are not adequately supported. If you support your pole adequately it should last several years. By adequate support I mean a solid base, maybe concrete set into the ground, and guy wires up to the top. A lot of trouble but it will prevent it from becoming a free style

sculpture in your back yard. Also fiberglass should be painted in a non-UV absorbing paint. It will otherwise deteriorate quickly because of weather and sunlight.

73

Date: Thu, 12 Jul 2001 09:16:23 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <ka9nzi@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102353] Re: Childish behavior
Message-ID: <000f01c10add\$83426020\$15084ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Gary Lee Phillips <ka9nzi@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, July 12, 2001 8:56 AM
Subject: Childish behavior

Hi Gary,

> It seems that some people behave just as badly on e-mail as some
> others do on the air.

Actually, I behave very nicely when I'm treated that way.
As you and others well know, I'm very jovial most of the
time while on the list.

> Name calling and personal attacks have NO place on any list,
> Randy. Ever, period, under any circumstances.

I now realize this, and I even appologized to Laura about the
name calling. I was wrong in doing that! OTOH, I've warned
Laura about her remarks many, many times in private e-mail.
She pushed, and she got what she deserved. Go back and
read her message and tell me that it wasn't rude. She could
have easily reworded it so that it didn't sound like it was trashing
the subject. Also, do you really think that most people would
take "re-invent the wheel" directed at their idea and not get
ticked off? As we all know, that term is meant as an insult.

That was the final straw between her and I, and, IMHO, she got what she deserved (besides the name calling).

> Throwing an idea as grandiose as that in front of a large forum is
> always going to generate some critical responses. None of the
> criticisms were "attacks" and all had content worthy of
> consideration.

Almost all were constructive, that is. There is a lot of underlying BS going on between Laura and I that most of you don't realize that is going on. Trust me when I tell you that after numerous private e-mails with her, she meant that message as an insult.

Randy

--

HAMateur Radio: AB5NI

Date: Thu, 12 Jul 2001 07:27:41 -0700 (PDT)
From: Gary Slagel <gds slagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [102354] [op] Harney Peak Operation Photos
Message-ID: <20010712142741.82962.qmail@web11601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I posted some pix, description and log of our operation from Harney peak at:

http://marina.fortunecity.com/sanpedro/351/harney_peak/harney_peak.html

My apologies for the quality of the web page... I hate spending too much time messing with it!
If you have trouble viewing cuz the pictures are overlaying text, etc, etc, resizing your window usually takes care of it.

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gds slagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail
<http://personal.mail.yahoo.com/>

Date: Thu, 12 Jul 2001 10:28:09 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [102355] Antenna Support Idea
Message-ID: <b9.10917ea8.287f0df9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If the support mast does not have to be non-metalic let me suggest using telescoping sections of aluminum tubing that you can get from Texas Towers for example. The aluminum is a bit more rigid. Also you can run the coax up the center of the mast making for a nice clean installation. An added advantage is you can also load the mast as a vertical (see <http://www.g3ycc.karoo.net/rwv.htm>).

I would suggest the wire to use is the invisible wire #26 from RF DAVIS or THE WIREMAN.

The other alternative is to use the mast with a top wire as an inverted-L or Tee type antenna. The inverted-L would give you the advantages of both a horizontal and vertical radiator.

The six sections of aluminum tubing will probably end up costing you less than the fiberglass version and give you more longevity.

Just my 2 cents this morning (smile) Alan KB7MBI in Woodinville, WA

Date: Thu, 12 Jul 2001 10:28:56 EDT
From: MITCHELLRI@aol.com
To: qrp-1@lehigh.edu
Subject: [102356] Yaesu FT817 & SWR
Message-ID: <7e.17a0d179.287f0e28@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello to all.

I blew the final on my '817 by tuning the "Miracle Whip" (latest QST) on high power. Apparently, there is no swr protection circuit, so beware!

BTW, instead of buying the Miracle Whip, I assembled it with mostly surplus (read junk box) parts, although the toriod core came from my BLT tuner. (RIP BLT). Although I have yet to QSO with it, it does do as advertised, it tunes out the dreaded SWR with no problem, except on 80, no suprise there. The receiver does work very well with the antenna,. I went to R/S and bought a 72" telescoping antenna for additional height, and the unit was even better!

WA1GJF
Leeds Mitchell

Date: Thu, 12 Jul 2001 10:37:20 -0400
From: F FLYNN <fflynn@adelphia.net>
To: qrp-1@lehigh.edu
Subject: [102357] SPdif
Message-ID: <jUsT.aNoTheR.mEsSaGe.iD.99494906523971@www.emailreader.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Sony/Panasonic digital interface, the unbalanced consumer version of AES/EBU digital audio, which is balanced. There is some degree of compatibility between the two.

>What is spdif?

=====
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<http://beginners.co.uk/moreinfo/vid/eml>
=====

Date: Thu, 12 Jul 2001 10:38:50 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: "'ARDUJENSKI@aol.com'" <ARDUJENSKI@aol.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102358] RE: Antenna Support Idea

Message-ID: <078F21595FA7D411B87B00805FA728E64A4903@atlexc02ntms.hboc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

In addition, If you get one strong enough, you can fly the flag from it!
Done that on my 60' tower .

Jerry
W3CDE

-----Original Message-----

From: ARDUJENSKI@aol.com [mailto:ARDUJENSKI@aol.com]
Sent: Thursday, July 12, 2001 10:28 AM
To: Low Power Amateur Radio Discussion
Subject: Antenna Support Idea

If the support mast does not have to be non-metalic let me suggest using telescoping sections of aluminum tubing that you can get from Texas Towers for example. The aluminum is a bit more rigid. Also you can run the coax up the center of the mast making for a nice clean installation. An added advantage is you can also load the mast as a vertical (see <http://www.g3ycc.karoo.net/rwv.htm>).

I would suggest the wire to use is the invisible wire #26 from RF DAVIS or THE WIREMAN.

The other alternitive is to use the mast with a top wire as an inverted-L or Tee type antenna. The inverted-L would give you the advantages of both a horizontal and vertical radiator.

The six sections of aluminum tubing will probably end up costing you less than the fiberglas version and give you more longevity.

Just my 2 cents this morning (smile) Alan KB7MBI in Woodinville, WA

Date: Thu, 12 Jul 2001 10:54:55 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102359] Re: SPdif
Message-ID: <00c701c10ae2\$9dd42fe0\$6401a8c0@tci.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe the "P" in SPDIF stands for Philips. Nearly all DVD players and many digital cable/satellite TV set-top-boxes contain SPDIF on a rear panel RCA jack. The interfacing works very well into the newer genre of home theatre receivers. However, I prefer the TOSLink fiber-optic interface between my DVD player and receiver. I'm not sure the sonic quality is any better and I haven't compared data rates between the two media, but the fiber cable allows me to break-up a potential ground loop which is characteristic in many unbalanced cabling installations.

-Paul, W9AC

----- Original Message -----

From: "F FLYNN" <fflynn@adelphia.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, July 12, 2001 10:37 AM
Subject: SPdif

> Sony/Panasonic digital interface, the unbalanced consumer
> version of AES/EBU digital audio, which is balanced.
> There is some degree of compatibility between the
> two.
>
> >What is spdif?
>
>
>
> =====
> Access over 250 professionally developed online training courses
> Purchase a 12 months membership online. Click below for details
> <http://beginners.co.uk/moreinfo/vid/eml>
> =====
>
>

Date: Thu, 12 Jul 2001 10:01:17 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <fflynn@adelphia.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102360] Re: SPdif
Message-ID: <002101c10ae3\$c929d360\$15084ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: F FLYNN <fflynn@adelphia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, July 12, 2001 9:37 AM
Subject: SPdif

Hello,

> Sony/Panasonic digital interface, the unbalanced consumer
> version of AES/EBU digital audio, which is balanced.
> There is some degree of compatibility between the
> two.

Ah. Ok. Thanks for the info!

Randy

--

HAMateur Radio: AB5NI

Date: Thu, 12 Jul 2001 15:00:09 +0200
From: "Per-Arne Asp" <per-arne.asp@tordata.se>
To: <qrp-l@Lehigh.EDU>
Subject: [102361] Re: Childish behavior
Message-ID: <001e01c10ad2\$94ca9980\$0a00a8c0@Domain>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Well said, now gents (and others) lets behave ourselves!

72/73 p-a/sm4inv

Date: Thu, 12 Jul 2001 11:03:41 -0400
From: "Newell, John O" <JNewell@goodwinprocter.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [102362] RE: Yaesu FT817 & SWR
Message-ID: <C3345B3FCEEEED2119FAA0008C739ABBD036F32D5@bosmsg2.gph.com>

> Apparently, there is no swr protection circuit

Eek, sorry to hear that! However, I believe the note above is mistaken. I run an LDG DWM on my FT-817 at the home shack, and have observed the tx power level change with SWR as the tuner adjusts SWR. I wouldn't recommend it, but I think you could probably safely key the radio with no antenna at all without damaging the finals, at least for a short period.

You might post this on the Yahoo FT817 list (not the similar FT-817 [with a hyphen] list, which has many fewer subscribers) and see what responses you get from the technically oriented operators.

72
John Newell
KB1FPM

This message is intended only for the designated recipient(s). It may contain confidential or proprietary information and may be subject to the attorney-client privilege or other confidentiality protections. If you are not a designated recipient, you may not review, copy or distribute this message. If you receive this in error, please notify the sender by reply e-mail and delete this message. Thank you.

Date: Thu, 12 Jul 2001 08:06:48 -0700
From: "Mike Connor" <nq7k@mtarvin.com>
To: "QRP List" <qrp-l@lehigh.edu>
Subject: [102363] Re: Childish behavior
Message-ID: <001801c10ae4\$4c8d1460\$8f0c3e40@mfg.entera.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Almost all were constructive, that is. There is a lot of underlying
> BS going on between Laura and I that most of you don't realize
> that is going on.

AND MOST OF US DON'T CARE. TAKE IT OFF THE LIST AND LETS
GET BACK TO RADIO!

Mike
NQ7K

Date: Thu, 12 Jul 2001 10:23:03 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-l@Lehigh.EDU>
Subject: [102364] RE:Moderated List

Message-ID: <000901c10ae6\$8bb782e0\$0d9b66a6@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang HI,
I am not for or against a moderated list, but if you want to see a moderated list done right, look no further than the G-QRP list. There are four list moderators on the G-QRP list, not one lone Marshall Dillon. They are all class acts!! Just food for thought, I am moderating myself for a while. Have a nice day, Cul and 73 de w5jay..

Date: Thu, 12 Jul 2001 10:26:04 -0500 (EST)
From: <igeq100@iupui.edu>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [102365] Antenna Question
Message-ID: <Pine.GSO.3.96.1010712101548.19377B-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, All -

Here is an antenna situation where I could use some advice, or at least answers to my questions. I have put up a doublet antenna that is 75 feet long, fed at the center with 450 ohm ladder line (about 25 feet long). The antenna is about 20 feet up. I opted for this length because my space is restricted and I wanted to get the most "wire in the sky", hoping my antenna tuner (a Super Tee, like that from Kanga) would be able to tune it.

I find that I can tune it on 80, 40, 20, 15, and 10 meters, and it appears to work very well on those bands. However, there is no setting that will let me tune it on 30, 17, and 12 meters. I am afraid that if I start pruning it for the WARC bands, I will lose the other bands.

So, finally, here is my question. Is there anything that an antenna tuner of another design could do about the WARC bands, or is my problem strictly one involving the physical dimensions of the antenna? Since my interest, besides the "regular" HF bands, is 30 meters, would I be best off just putting up a separate 30 meter dipole for that band?

Thanks in advance for your advice. If this question is too naive, please point me in the right direction for enlightenment (I have read the standard references and can't figure out the answer).

72,

Rich Meiss, WB9LPU

Date: Thu, 12 Jul 2001 11:27:15 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [102366] DSPs contd
Message-ID: <5.0.2.1.0.20010712102832.00a8e3d0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I thought I would add my own subjective opinion. My friend N4ALG knew I was looking for one and stumbled upon a Radio Shack unit for 5 bucks at a hamfest and passed it on to me.

I really like it for digging out the weak ones and filtering powerline noise. One day I mentioned to him that I had used a DSP-599 for a few hours and actually liked the RS unit more. I almost fell down when he said that he had the same experience and conclusion. The trick for using it is to set up whatever IF filtering you have to get a cw tone that fits the

DSP passband and then switch it in.

I'm not knocking the Timewave unit. Probably I would enjoy it with more use. What I am saying

however is that there seem to be a lot of RS units gathering dust and available for good prices.

I bought a second one for my NC-20 portable rig from Doc, K)EVZ and it was a big help when receiving near the RTTY signals just above 14060.

I would like to get an intuitive handle on using a DSP for IF filtering without a lot of math if that is possible.

My math brain is a bit lacking.

73 to ALL

Pete NV4V Kentucky

Date: Thu, 12 Jul 2001 11:37:07 EDT
From: Shephed@aol.com
To: <qrp-l@lehigh.edu>
Subject: [102367] Field Day 2K1, Piggie Style!
Message-ID: <bb.10e43986.287f1e23@aol.com>

Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Well folks, (at least the ones I'm not kill-filed on) the Flying Pigs QRP Club's Bacon Bits newsletter for FD-2001 is now on our webpage:
<http://www.mpna.com/fpqrp/news.html>

PLEASE NOTE! The file is 2.5Mb so if your on a slow connection, start the download and go shopping. :-)

72, oo
Dan, N8IE

Date: Thu, 12 Jul 2001 12:15:04 -0400 (EDT)
From: <baltimoremd@baltimoremd.com>
To: "qrp-L@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [102368] The Last Word, Etc.
Message-ID: <Pine.BSI.4.05L.10107121209340.27634-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am NOT the moderator of this list...but I am a moderator of other lists.

It strikes me that the bantying back and forth on the list about insults, real and imagined, is not productive...it doesn't solve the problem, doesn't enrich anyone's knowledge about QRP, and certainly fills up mailboxes with OT material.

On a lot of lists folks would be encouraged to either post in private, or to take a vacation from the list.

Just an observation.

73,
Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Thu, 12 Jul 2001 08:51:58 -0700
From: "Chris Trask" <ctrask@qwest.net>
To: unlisted-recipients:; (no To-header on input)
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102369] Re: Moderated List
Message-ID: <3B4DC79E.42EFA643@qwest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just for the record, as distasteful as it may seem, I am mildly in favour of having the list moderated. The flame wars, ego positioning, and other unwelcome nonsense that I've seen of late makes me wonder if there is any room here for technical content. We've seen a few significant individuals leave the list for these very same reasons, and if it's going to survive and be credible then either put your ego in your back pocket or live with moderation.

This sort of stuff is not limited to just here. I have yet to see a mail list or a newsgroup that was not in need of moderation. The antenna newsgroup is one in particular. Threats of lawsuits, claims of death threats, etc., etc. from one of the participants (who I met while working at the Arecibo Observatory in 1978, and who was recently discharged from Boston University) makes it almost impossible to participate without being a target of infantile barbs.

All things in moderation (Greek proverb)

All things in moderation, including moderation (Mark Twain)

Chris

[illegible]

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Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@qwest.net
http://www.*****.net/~ctrask

Graphics by Loek Frederiks

Date: Thu, 12 Jul 2001 08:58:00 -0700 (PDT)
From: "Howie W." <k3hw@yahoo.com>
To: qrp-1@lehigh.edu, njqrp@njqrp.org
Subject: [102370] Where are the QRPer's is Southern MD
Message-ID: <20010712155800.26681.qmail@web4307.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

QRPers,

I am presently working an EW (Electronic Warfare) contract at Patuxent River Naval Air Station.

I have rented a small apartment in Ridge MD and I am wondering if there are any QRPers around here - Lexington Park, Waldorf and South.

I spend my weekends at my home in Elkins Park, Pa but I'm down here 5 days a week.

I am also looking for 40m CW skeds to meet on 7040 and the QSY + or -

I am running a Conar 400 Transmitter into a long wire and using an HQ-110A on receive - yes - the clock works!

Please respomd OFF LIST to k3hw@arrl.net

Tnx es 72,

Howard K3HW

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail
<http://personal.mail.yahoo.com/>

Date: Thu, 12 Jul 2001 18:06:19 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [102371] Re: Antenna Question
Message-ID: <024801c10aec\$9909cb00\$338e01d9@ingo>

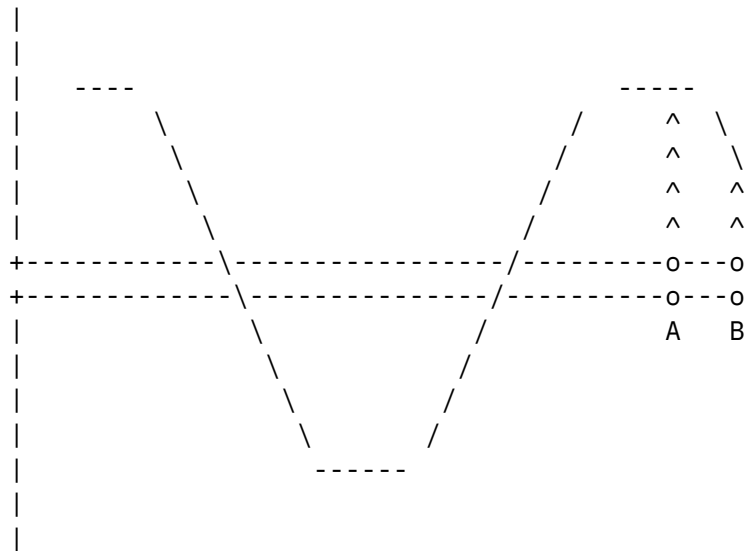
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Rich,

> ... Is there anything that an
> antenna tuner of another design could do about the WARC bands, or is
> my problem strictly one involving the physical dimensions of the
> antenna? Since my interest, besides the "regular" HF bands, is 30
> meters, would I be best off just putting up a separate 30 meter dipole
> for that band?

I think, is is not your tuner. Please make a test. Insert 1 or 2 meters
of your 450 ohm ladder line in the ladder line. Is it now possible to
tune the antenna on WARC bands, so your tuner is ok and an unfavourable
length of the ladder line is the reason.

Cause: If there are on the feedpoint a high resistance on the WARC
bands, so you can reduce this.



(^ It's you antenna in lazy position hi).

The line around the feeder is the voltage on the feeder. Now there are
at point "A" a high voltage and a high resistance. With the inserted
part there are at point "B" a lower voltage and a lower resistance.

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Thu, 12 Jul 2001 12:15:29 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [102372] West Coast Contacts for WAS
Message-ID: <51.e222d37.287f2721@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If any folks need WA for WAS I found 4 am local time appears to be a good east-west coast connection. Give me a jingle or look for me 7045-7060. Alan KB7MBI

Date: Thu, 12 Jul 2001 12:25:44 -0400
From: "tbowman@nbn.net" <tbowman@nbn.net>
To: qrp-1@lehigh.edu
Subject: [102373] GREAT Stuff: 17mtr DSB: RX news. Need AF amp advice
Message-ID: <4120017412162544267@nbn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=iso-8859-1

Thanks, Dan Tayloe for the great information on receivers and what's needed for receiver gain.

Like I said earlier, I've been trying to get a NE602 - LM386 40-9er to work a little better for the past week. After reading Dan's post, I know it's not just my ears that are a little deaf. The 40-9er doesn't have much gain to start with...Only about 20 dB (??) from the NE602 and another maximum of 46 dB from the LM386.

See Dan's message:

"I recommend 80 to 90 db of gain for driving headphones, adding another 20 db to drive speaker levels."

Now I know it's not just my 56-year old ears.

Here's more from Dan:

"A low noise op-amp preamp such as a NE5532 (a dual 8 pin low noise

op-amp), or a LM833 after the mixer would help a lot. I recommend one stage set to 30 db of gain, an L/C low pass filter (see the R2 in the ARRL Handbook), a volume control, then a second 30 db gain stage followed by the LM386.

A LM386 is ok, but a LM380 is better (lower noise, less distortion).

This should give you 100+ db of gain which should be pretty good."

Gosh. Dan even tells us how to distribute the gain throughout the receiver.

NOW my question is, how in the world do all of you 40-9er and Pixie operators hear any signals with just one lonely LM386 and its 40 or so dB of gain?

Did you add other audio stages to these simple receivers??

73,

Tom, WA3REY

"I have decided that when the best way to combat the negative non-technical posts on QRP - L is to post the kind of posts I like to see. Ignore the chaff. Concentrate on the wheat. I hope that this helps.- Dr. Megacycle KK6MC/5 "

Date: Thu, 12 Jul 2001 11:45:43 -0500
From: "George, W5YR" <w5yr@att.net>
To: igeq100@iupui.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102374] Re: Antenna Question
Message-ID: <3B4DD437.756DE71E@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rich, try patching in a few additional feet of ladderline on those bands and see if there isn't a "magic" length that will do the trick. Often, that is all it takes to make a tuned-feeder system work on additional frequencies.

Sure, some other tuner design or the same design with different component

values might work fine. The problem is that your tuner cannot make the transformation from the impedance seen looking into the line on those bands to the 50 ohms resistive that your transmitter requires. You could change the antenna, the line Z, its length, or the tuner values. Any or all of these could do the trick. The quick and easy "fix" is just to alter the line length. I would certainly try that first . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

igeq100@iupui.edu wrote:

>

> Hi, All -

> So, finally, here is my question. Is there anything that an
> antenna tuner of another design could do about the WARC bands, or is my
> problem strictly one involving the physical dimensions of the antenna?
>

Date: Thu, 12 Jul 2001 12:45:54 -0400
From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [102375] NoGa PiG - Power Indicator/Guard
Message-ID: <3B4DD442.DCE22DB9@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As a result of my last post I received several requests for more information.

Check out:

<http://www.nogaqrp.org>

Go to the projects page and click on "NogAPiG"

The board has additional circuits on it for a tick keyer and a static hiss filter.

Pickett, AD4S

Date: Thu, 12 Jul 2001 12:04:00 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <qrp-1@Lehigh.EDU>
Subject: [102376] I Have a Better Idea
Message-ID: <00bf01c10af4\$ee022320\$15084ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy folks,

Ok. You people want techie talk and signal, then get ready for some signal. This one will probably finally get me banned, though, because I'm pretty sure that some stupid individual is going to throw tact straight out the window and decide to be rude again. That's ok. I'll just flame them on the list if they are stupid enough to insult me here, which I consider to be a public insult. Pull up a chair, and remember that this is MY idea, but I am offering it to the amateur community to help retain our frequencies. In the long run, though, some individual is going to try and take this as their own idea. Hopefully, some of you people will cry foul if this happens and let them know whose idea this really was. I seriously doubt that this is going to happen, though, because most of you would rather think of me as some childish, lunatic-type instigator that doesn't deserve to be creative and intelligent. If that makes you happy, then that's kewl with me! :^) Hopefully, though, most of you will realize that I'm just defending myself in public after giving multiple warnings in e-mail. Here goes...

Basically, what I'd like to do is design a piece of software that digitizes a person voice and stores their phonetic structure to disk and the memory of a computer or radio. A person's phonomies, as they are called, would be transmitted to someone else's computer via the Internet or via a designated radio frquency/channel, and the same thing would happen on the other side to another computer or radio that wanted ot participate in the conversation. Now, if we build a database on both sides with

these phonemes and assign each one a numerical value for indexing purposes, we should be able to talk on the Internet or the radio using around 20 or 30 BAUD of bandwidth.

On a single ISDN channel, that is thousands of conversations going on at the same time :^). Can you say mega-massive levels of audio compression? I knew you could :^). Also, when the computer would notice a different accent or enunciation, it would update the database on both radios/computers either as the conversation took place or later via some server-type setup. BTW, this wouldn't be limited to only two people using radios to communicate. Multiple people could be in the conversation, of course.

In the beginning, the voice communication wouldn't sound all that great, but after a couple of sentences, you'd think that you might have a pretty decent facsimile of the person's voice :^). I think we could use this technique as a digital form of communications on ham radio, and we might even be able to transmit the data stream via PSK31 :^). Not only that, but you should be able to do 30 baud very cleanly in a few hundred cycles!

The only problem, though, would be the initial transfer of the phoneme database, but that would be easily solved these days by accessing a server on the Internet and uploading a person's phoneme database from a central server. You could also do this as using a radio-based server at, but that might take a while. Hmmm. I guess you a radio could have a default-voice database so that you could still talk to the person while downloading their database, too.

Now that, my friends, is most DEFINATELY signal. The idea here is saving bandwidth, of course. I guess you could eventually use something like this in the cellular industry, too, though. I only hope that some of you don't decide that this is your idea and try to bring this into the business world, because I'm giving this idea to the hams of the world to play around with and use on the ham bands if they think it has merit.

Also, let it be known that I have this idea copyrighted and notarized in a Patent Journal from around 2 years ago, and that document is legally binding in court. So, this information can be considered to be owned by me, yet free to the use of amateur radio operators if they think that something can be done with this information. If there are any commercial interests in this, they can get in touch with directly and we might be able to work something out.

Randy

--

HAMateur Radio: AB5NI

Date: Thu, 12 Jul 2001 12:12:55 -0500
From: "Randall Jouett" <rules@bellsouth.net>
To: <tbowman@nbn.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102377] Re: GREAT Stuff: 17mtr DSB: RX news. Need AF amp advice
Message-ID: <00c801c10af5\$e4d1bb20\$15084ed8@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <tbowman@nbn.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, July 12, 2001 11:25 AM
Subject: GREAT Stuff: 17mtr DSB: RX news. Need AF amp advice

Hello Tom,

> NOW my question is, how in the world do all of you 40-9er and Pixie
> operators hear any signals with just one lonely LM386 and its 40 or
> so dB of gain?

Well, I would guess that most of them used an external
line-level amplifier and drove a speaker to her things.
(Shrug.)

I'd also imagine that the 40-9er and Pixie were minimalistic designs and were designed that way to be simple and cheap. In other words, they get job done, just barely, and that was the design goal to begin with, especially if you wanted to make the thing simple and cheap. In that regard, both of them do things quite well.

73,

Randy

--

HAMateur Radio: AB5NI

Date: Thu, 12 Jul 2001 13:19:26 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-l@lehigh.edu
Subject: [102378] Behavior
Message-ID: <5.0.2.1.0.20010712131926.00a96b80@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Dear gang,
One post I especially remember (but not the author) regarding avoiding flame wars said
go ahead and type up your message, store but DO NOT send it, and go take a nap or get a good nights sleep.
Upon awakening, review the message and either dump it or send it.
When I was mess cooking on a pigboat I asked "Gator" (the cook) how he could cook
for so many people and have them like it and he replied "Heck, you can't cook for 2 guys and have them like it."

Date: Thu, 12 Jul 2001 12:19:11 -0500
From: "Patrick Cummins" <pcummins@misnet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [102379] RE: Need antenna guru help - thanks and status
Message-ID: <000001c10af7\$78c71f40\$80d194d0@pavilion>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded:

The consensus of most who responded was that my best source of information would be the ARRL Antenna Handbook. So I am now assiduously studying that venerable tome. I am also studying Moxons "HF Antennas for all locations" as supplementary reading. So hopefully in a month or two I should be able to begin some intelligent experimenting (playing around with) my antenna system.

Also, the good lord willin and the creek don't rise, I may be able to find time to break out my old (literally) math book and revisit vector calculus, DE's, and perhaps complex variables. Will evidently need this if I decide to continue antenna studies.

Again, thanks to all who responded for the help.

Patrick S. Cummins W5PSC
pcummins@misnet.com

Date: Thu, 12 Jul 2001 10:25:36 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [102380] Re: Antenna Question
Message-ID: <MABBJOEABOILMKCJCLFCMEPCCIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rich

The reason your tuner can't match your antenna on some bands is that the antenna plus the feedline present a very high impedance at the tuner.

The easiest fix is to make up extension sections of feeder for the bands you cannot presently match. I use banana plugs and jacks to quickly insert a new matching section when I change bands.

Adjust the length of each section so it presents the lowest SWR for the band you want to use. Then your tuner will complete the match easily. I use 300 ohm twinlead, even cheap stuff, and it works fine.

73, Bob N6WG

Date: Thu, 12 Jul 2001 10:29:03 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [102381] Fox--Last minute reminder
Message-ID: <MABBJOEABOILMKCJCLFCOEPCCIAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tonight is the night, folks. Two Foxii on for your
entertainment and amusement. Be sure to get yours before
they are all gone. Sales limited to quantities on hand.
YMMV.

N6WG will be operating above 14060.
NW7DX will be operating below 14060.

Curtain goes up at 0200 UTC.

Please come. I've got a big empty log sheet to fill.

73, Bob N6WG

Date: Thu, 12 Jul 2001 09:31:30 -0800
From: Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [102382] Please don't keep changing the subject folks
Message-ID: <3B4DDEF2.16AC8AE3@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please don't keep changing the subject line on this long thread of
non-QRP material concerning impoliteness. It makes it really hard to
keep up with my filters. I am up to 17 subject filters and one email
address filter in the last 48 hours. We really only have one
subject...maybe two. And it is hard to filter when no subject is used.

BTW, with the filters in place, QRP-L is pretty darn good with decent
topics flowing.

Thank you.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Thu, 12 Jul 2001 13:36:20 -0400
From: "kw3u@warwick.net" <kw3u@warwick.net>
To: aturner13@triad.rr.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102383] Re: Antenna support
Message-ID: <3B4DE014.F9DCD031@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Alex Turner wrote: Any other ideas for a support also appreciated. It's hard for me to physically handle anything that is heavy.

Hi Alex;

I have a 50 X 100 town lot. I use a RS telescoping mast against the side of house to support my R7 vertical-works great - lasts long time. The bottom part of the R7 I put tieraps(black) on for pass through points for my various long wires. Having no tree in one corner (but a fence) I put up a support composed of two 10' lengths of pvc (botton section 1 1/4 & top section with 1"pvc - with a couple bolts to hold it together. the top section has a tee adapter so wire can pass in and out). I also put another one up by my garage to try a new 88' ladderline ant.

These supports work well for me, the exciting part is watching the top section bend and not brake, they do flex. It may be a good thing as it has withstood some dandy wind and snow and assorted bird migrations.

good luck and experiment away. Jim

Date: Thu, 12 Jul 2001 12:41:12 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU, FT817@yahooogroups.com
Subject: [102384] MAHA MH-FNB-72 1.7Ah Fused -- NOT
Message-ID: <3.0.2.32.20010712124112.00814a30@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Folks,

I removed the outer shrink sleeve from my MAHA FT-817 battery pack. There are no fuses in this version. (I'm installing Pico fuses.)

There is a device of some sort connected between the middle sets of 4 cells.

It is marked:

IP405BC-B 70C
T. ISUZU 0G

The first line seems to be the device type and maybe a thermal rating.
The second line is the manufacturer and possibly a date code.

Anyone know what this device actually is?

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Thu, 12 Jul 2001 12:44:42 -0500 (EST)
From: <igeq100@iupui.edu>
To: Randall Jouett <rules@bellsouth.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102385] Re: I Have a Better Idea
Message-ID: <Pine.GS0.3.96.1010712123005.19377D-1000000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Randy -

Thanks for your post - it lets me know what I have been thinking about may not be so far off the wall. Here is the scheme that I have been thinking about. It would use, as far as I know, off-the-shelf software and hardware. In brief, one would use commonly-available speech-to-text software to create an ASCII character stream that would be sent as a PSK31 signal. At the receiving end, text-to-speech software, also readily available, would reconstruct the text into audible speech. If the error rate in the PSK31 step could be kept small enough, this would result in audio transmission with a very narrow bandwidth. True, there would be no trace of the sender's accent, inflection, etc. preserved, but the message would get through. In fact, CW, while it does contain the idiosyncrasies of one's "fist", is also devoid of inflections, etc, and works very well.

An advantage of this approach is that it would not require prior or parallel communication to the receiving party to set up the system. Thus it could be used casually and could involve many people on a random basis, just as we do hamming with our present modes.

While it is not true that there is "nothing new under the sun", I always find that most of my bright ideas have been thought of before. (But not my magnetic bug, as far as I know). Ideas also do not arise from a vacuum, and lists like this (and the whole hobby of ham radio) are valuable in the cross-fertilization of ideas that leads to novel advances.

So our ideas are not too different, and not too far-fetched after all.

72,

Rich Meiss, WB9LPU

Date: Thu, 12 Jul 2001 13:47:43 -0400
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <john@neknetwork.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [102386] RE: MH101: Aligning the SW-30+
Message-ID: <GCECIJFJPOHMCKACOA0BIEDPCKAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

John -- KB1ENS:

I built a kit SW-30 and found that its sidetone was very high -- I'd guess over 1K. I had to tune the signals I wanted to respond to so that those signals had a very high pitch. I didn't like that so I made a modification.

The offset pitch setting cap for the Small Wonder Labs SW-30+ is C29. I

replaced the specified 220pF cap with a 180pF but the pitch was still too high (about 925 Hz). So I put a 150pF cap in series with my 180pF and then added a 7-70pF variable cap in parallel with the first two (this is typical of my "stick it in there and see if it works" approach to homebrewing). It worked!! Now I have an adjustable side tone pitch -- I set it at about 725 Hz and I'm happy.

I'm not sure if this will apply to your rig but it worked for me.

Good luck and 73,

Jake -- N4UY

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of John Wagner

Sent: Thursday, July 12, 2001 9:36 AM

To: Low Power Amateur Radio Discussion

Subject: MH101: Aligning the SW-30+

Not sure if I can still get an answer to this question here, but I'll toss it out anyway;

I'm not 100% certain my Manhattan style SW-30+ is aligned correctly. I've aligned it by tuning to a loud CW signal on the band and then peaking T1 until it's as loud as possible. However I've found that people consistently answer my CQ a little higher than I'm calling (and I haven't yet built a RIT).

Now, on my "big rig" I zero beat by generating a sidetone and tuning until it matches (is "in tune" for lack of a better explanation) the other signal. I plugged both of these rigs into dummy loads and zero beat the SW-30 with my Icom. I then transmit from the Icom and hear the signal in my SW-30, but it isn't zero beat, it's lower than the sidetone that the SW-30 is making.

Is this making sense? Can someone point me in the right direction?

Tnx es 73 de John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Date: Thu, 12 Jul 2001 10:54:28 -0400

From: John Wagner <john@neknetwork.com>
To: MITCHELLRI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102387] Re: Yaesu FT817 & SWR
Message-ID: <3B4DBA24.2EB16E04@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sorry to hear that.

For the rest of us FT-817 owners; how long did you key it into a high SWR? Also, I'm curious if you were turning the miracle whip dial while continually xmitting - perhaps the jumping from winding to winding and ensuing rapid swings in SWR contributed to the problem.

Just want to know so I don't do the same thing!

73 de John, KB1ENS

MITCHELLRI@aol.com wrote:

>
> Hello to all.
> I blew the final on my '817 by tuning the "Miracle Whip" (latest QST) on high
> power. Apparently, there is no swr protection circuit, so beware!
>
> BTW, instead of buying the Miracle Whip, I assembled it with mostly surplus
> (read junk box) parts, although the toriod core came from my BLT tuner. (RIP
> BLT). Although I have yet to QSO with it, it does do as advertised, it tunes
> out the dreaded SWR with no problem, except on 80, no suprise there. The
> receiver does work very well with the antenna,. I went to R/S and bought a
> 72" telescoping antenna for additional height, and the unit was even better!
>
> WA1GJF
> Leeds Mitchell

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Thu, 12 Jul 2001 13:58:18 EDT
From: MITCHELLRI@aol.com
To: john@neknetwork.com
Cc: qrp-1@lehigh.edu
Subject: [102388] Re: Yaesu FT817 & SWR
Message-ID: <21.e45ee19.287f3f3a@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

John

I tried to keep the x-mit on for as brief a time as possible, but as it was in high power, that brief time was too much.
As far as "spikes" as I rotated the dial, the SWR meter did not indicate anything, but that may not be a fair test.
I can't wait to get the 817 back and go sailing. I load up the wire halyard, (35') through an MFJ tuner, and have a ball on 20!

Leeds

Date: Thu, 12 Jul 2001 13:30:20 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [102389] Through thick and thin
Message-ID: <200107121801.f6CI1dc27632@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I've been reading the list for a long time and all I can say, is if everyone one stayed strickly on topic, it would be rathier dull.

If someone hadn't said, "I'd like to see a 2M qrp rig kit come out" and someone else hadn't said, " Don't expect anyone to do it for you, do it yourself", maybe I woudn't have thought, "that could be an interesting project, I'll give it a shot"

I read, or at least skim, every post that comes in. Then they get deleted. No need to save the vast majority of posts, but thier all interesting, in one way or another. I for one will stick around, through thick and thin, and in the end, your all still my friends!

72,
Steve, KD1JV in the White Mountains of New Hampshire
"Melt Solder"
<http://www.qsl.net/kd1jv/index.html>

Date: Thu, 12 Jul 2001 13:07:33 -0500
From: "George, W5YR" <w5yr@att.net>

To: w5usj@globeco.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102390] Re: MAHA MH-FNB-72 1.7Ah Fused -- NOT
Message-ID: <3B4DE765.EC53A4C2@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Actually?" - no! Can I guess? <:}

Most likely a thermal detector, Chuck, which is involved in fast-charging the pack. I have a pack dating back to the late 70's containing a similar device placed alongside one of the nicad cells in the pack and wired in series with the charging current line. Presumably it is a normally closed switch.

When I was doing the development work on my patent, I used some low-voltage devices obtained from Digi-key that operate as "overload switches." Given a current overload, they open up very rapidly and remain open for about a minute and then reset. Very convenient, and cheaper to use than a fuse and holder hardware. Small, too.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Chuck Carpenter wrote:

>
> Folks,
>
> I removed the outer shrink sleeve from my MAHA FT-817 battery pack. There
> are no fuses in this version. (I'm installing Pico fuses.)
>
> There is a device of some sort connected between the middle sets of 4 cells.
>
> It is marked:
>
> IP405BC-B 70C
> T. ISUZU 0G
>
> The first line seems to be the device type and maybe a thermal rating.
> The second line is the manufacturer and possibly a date code.
>
> Anyone know what this device actually is?

Date: Thu, 12 Jul 2001 12:36:59 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [102391] Off to CO SuperFest
Message-ID: <Pine.SUN.4.10.10107121235290.7215-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'll be heading out for Denver after work today for this weekend's Colorado SuperFest in Longmont, CO. Hope all QRPers in the area can make it. Look forward to meeting you all.

72, Paul NA5N

Date: Thu, 12 Jul 2001 14:46:27 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org, n9avg@amsat.org
Subject: [102392] [CONTEST] QRP Contest Calendar July 12/29
Message-ID: <3.0.6.32.20010712144627.008759c0@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

July 12-29, 2001

~~~~~  
Summer Fox Hunts - 20 Meters CW QRP - Fri 0200z - July & August

Details: <http://www.mtechnologies.com/cqc/sfox/index.htm>

~~~~~  
Summer CUB Fox Hunts - 20M CW QRP - Wed 0200z - July 4 thru Sep 5

Details: <http://www.wulfden.org/SummerCubFox/>

~~~~~  
IARU HF World Championship (CW/SSB)

Jul 14 - 1200z to Jul 15 - 1200z

Rules: <http://www.arrl.org/contests/announcements/rules-iaru.html>

"One of the best. Work anyone"

~~~~~

FISTS Summer Sprint (CW) ... QRP Category

Jul 14 - 1700z to 2100z

Rules: <http://www.fists.org/sprints.html>

"WHEN YOU'VE WORKED A FIST YOU'VE WORKED A FRIEND"

~~~~~

QRP ARCI Summer Homebrew Sprint (CW) ... QRP Contest!

Jul 15 - 2000z to 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/sumhom.htm>

"Test those homebrew rigs"

~~~~~

AGCW-DL QRP Summer Contest (CW) ... QRP Contest!

Jul 21 - 1500z to Jul 22 - 1500z

Rules: <http://www.agcw.de/>

"More QRP Summer Fun"

~~~~~

Georgia QSO Party (CW/SSB) ... QRP Category

Jul 21 - 1800z to Jul 22 - 0359z

Jul 22 - 1400z to Jul 22 - 2359z

Rules: <http://secc.contesting.com/page3.html>

"Work GA Counties. Excellent Awards"

~~~~~  
North American QSO Party (RTTY)

Jul 21 - 1800Z to Jul 22 - 0600Z

Rules: <http://www.ncjweb.com/>

"FYI.. 150 watt RTTY operation"

~~~~~  
*****CANCELLED DUE TO HOOF & MOUTH CRISIS*****

RSGB Low Power Field Day (CW) ...QRP Contest!

Jul 22 - 0900z to 1200z (80 M)

Jul 22 - 1300z to 1600z (40 M)

Rules: <http://www.g4tsh.demon.co.uk/HFCC/Rules-2001/lowpower.htm>

"Outdoor Fun for the Serious QRPer"

~~~~~  
RUSSIAN RTTY WW CONTEST

Jul 28 - 0000z to Jul 29 - 2400z

Rules: <http://www.sk3bg.se/contest/russrtty.htm>

"FYI.. QRO RTTY. All bands"

~~~~~  
Venezuelan Independence Day Contest (CW)

Jul 28 - 0000Z to Jul 29 - 2400Z

Rules: <http://www.sk3bg.se/contest/yvdx.htm>

"Work YV and anyone else"

Islands On The Air Contest (CW/SSB)

Jul 28 - 1200z to Jul 29 1200z

Rules: <http://www.g4tsh.demon.co.uk/HFCC/IOTA.htm>

"IOTA DXpeditions Encouraged"

~~~~~  
Flight of the Bumblebees (CW) ... QRP Contest!

Jul 29 - 1700z to 2100z

Rules: [http://www.natworld.com/ars/pages/bumblebees/bb\\_rules.html](http://www.natworld.com/ars/pages/bumblebees/bb_rules.html)

"Most outrageous venture for QRP Portable"

~~~~~  
Thanks to SM3CER, WA7BNM, ARRL and others
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.
Anyone may use this "QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.
(Include a credit to the source of this material of course.)

72 de ***** QRP Contest Calendar *****
Ken Newman - N2CQ <http://www.njqrp.org/data/contesting.html>
N2CQ@ARRL.NET <http://www.n3epa.org/Pages/Contest/contest.htm>

Date: 12 Jul 01 13:07:14 MDT
From: Rod Cerkoney <rod@n0rc.com>
To: na5n@rt66.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102393] Re: [Off to C0 SuperFest]
Message-ID: <20010712190714.3245.qmail@uwdvg001.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

"Paul Harden, NA5N" <na5n@rt66.com> wrote:

> =


```
> I'll be heading out for Denver after work today for this weekend's
> Colorado SuperFest in Longmont, CO.  Hope all QRPers in the area can
> ^^^^^^^^^^^^^^^^^
```

00PS, That would be Loveland CO. about 20 miles north of Longmont! ;-)

I'm sure Paul's error is a result of his excitement, about coming to CO. =
But
just in case we'll send a spotter down to Longmont to make sure he get's =
here
safe and sound. ;-)

'FEST-ON
73 Rod, NO RC

Date: Thu, 12 Jul 2001 15:09:43 EDT
From: MITCHELLRI@aol.com
To: w5yr@att.net
Cc: qrp-l@lehigh.edu
Subject: [102394] Re: MAHA MH-FNB-72 1.7Ah Fused -- NOT
Message-ID: <106.27b398b.287f4ff7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

That device is indeed a thermal protector. About 80% of them are made by Texas Instruments in Attleboro, MA and their facilities in Japan & Korea and Mexico. It consists of a bi-metal strip and 2 contacts and it is indeed a normally closed device.

Other companies such as Sylvania also make them, but TI is the #1.

73

WA1GJF
Leeds Mitchell

Date: Thu, 12 Jul 2001 15:25:03 EDT
From: Macstein@aol.com
To: ARDUJENSKI@aol.com, qrp-l@lehigh.edu
Subject: [102395] Re: West Coast Contacts for WAS
Message-ID: <be.17381185.287f538f@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 7/12/01 12:16:37 PM Eastern Daylight Time,
ARDUJENSKI@aol.com writes:

> If any folks need WA for WAS I found 4 am local time appears to be a good
> east-west coast connection. Give me a jingle or look for me 7045-7060.
Alan
>
> KB7MBI

Catch the young "Fox" from Seattle area tonight on 20 meters! Ben, NW7DX, is
in Redmond, WA, and he is a VERY good op. He consistantly hears my puny sig
from FL.

GOOD LUCK!

-MAC-
AF4PS
Odessa, FL

Date: Thu, 12 Jul 2001 15:29:47 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [102396] GAP TITAN NOTED FOR SALE \$45
Message-ID: <123.1913505.287f54ab@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Passing along a good deal I saw on BARC -- (<http://bro.net/barc/swap/>)

GAP TITAN--\$45 near Austin--MOVING. He will not ship
billnsue@austin.rr.com
Bill K2HV

ALAN KB7MBI

Date: Thu, 12 Jul 2001 12:34:31 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: "Paul Harden, NA5N" <na5n@rt66.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [102397] Re: Off to C0 SuperFest

Message-ID: <Pine.BSF.4.21.0107121234020.8788-1000000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Paul,

Will you be attending Tuthill this year?

73,
Bob - W3CD

On Thu, 12 Jul 2001, Paul Harden, NA5N wrote:

>
> I'll be heading out for Denver after work today for this weekend's
> Colorado SuperFest in Longmont, CO. Hope all QRPers in the area can
> make it. Look forward to meeting you all.
>
> 72, Paul NA5N
>
>
>

Date: Thu, 12 Jul 2001 13:11:23 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "QRPL (E-mail)" <qrp-1@lehigh.edu>
Subject: [102398] Noise Figure to nV/SqrtHz Conversion?
Message-ID: <1D74B9231259D511B1AA0002B32C2896150AE5@az10exm06.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I am struggling a little bit with the determination of receiver Noise Figure (in db) and how that relates to the voltage noise as specified in nV/SqrtHz. It seems to me that both of these specifications are bandwidth independent, and thus there should be some mathematical relationship between the two.

If someone knows what it is, I would sure like to know. Low noise RF stuff seems to use Noise Figure, while audio op-amps tend to use nV/SqrtHz, and I would like to work back and forth between the two.

The whole idea of noise figure is a bit fuzzy to me. Part of the confusion

concerns

the source. Is the source modeled as signal plus 50 ohms system noise or simply as the signal? It seems to me that any source signal should be "contaminated" with the nominal 50 ohm source noise.

This quandary came about as I tested some receiver concepts against a simple noise model

that I have build up for my receiver lineup. I came up with a theoretical configuration that gave an MDS less than 50 ohm thermal noise. I then realized that my calculations for receiver sensitivity did not include 50 ohm source thermal noise. It seems to me that in order for a receiver to pick up a signal, the signal needs to overcome both the system 50 ohm thermal noise as well as the receiver internal noise level.

Reading the ARRL handbook on the subject of Noise Figure seemed vague and uninformative. This was unlike the receiver performance section which was excellent

(Third order intercept, Blocking Dynamic Range, Spurious Free Dynamic range, Minimum Discernable Signal, etc). Very clear and understandable.

Also, does anyone have any inputs on their favorite (cheap?) very low noise HF RF preamp transistor? I picked up a National data book (not a highly RF centric company) and the best they carried had a 2 db noise figure.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Thu, 12 Jul 2001 16:34:05 -0400

From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>

To: <w2agn@pobox.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Cc: <k7fd@hotmail.com>

Subject: [102399] QRP-L

Message-ID: <LPBBJAGIPFHKPJENAKLOGEMNFDAA.n1bq@wulfden.org>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: John L. Sielke

> Sent: Thursday, July 12, 2001 8:41 AM

> What? You're not going to demonstrate your righteous
> indignation by announcing your departure to all and sundry?
> How are people going to know how wonderful and liberal
> and kind hearted, etc, etc, if you don't announce it?

> John W2AGN (card-carrying misogynist, conservative, grouch)

>

> On 12-Jul-2001 N7SG K7FD wrote:

> > Geez, not me! It's just starting to get good...what a soap

> > opera!

Well as always John gets me chuckling, and the other John too ... but it does bring to mind some comments ... I came back from several days on the road to about 400+ messages and a lot of ruffled feathers ... we, collectively, have weathered many such storms on various lists besides this one ... and will in the future, but, I would offer a couple of thoughts;

- regardless of the merit (or lack thereof) of the charge about Laura's list demeanor, that kind of name calling was way out of bounds ... there is no way I can see to justify that.

- I am appalled at and disappointed in some of the specific individuals who announced that they will be gone from QRP-L. Generally, I find that the absence of those individuals who make such announcements is rarely noticed beyond their departure notice or at best in the improvement in the list's S/N ratio! Frankly, I do not know what to say about these people, I thought they were bigger than that!

- as with handling repeater lids, the best way to do this is say nothing ... let it go way sans comment ... if a comment is so outrageous as this was, say it in private ...

... just my \$.02

72/73 de brian, n1bq

--

N1BQ-3 @ 44 31.73N 072 51.55W

WideN-N digi and weather station in Underhill Center, VT

<mailto:n1bq@wulfdn.org>

NoVT QRP Society <<http://www.wulfdn.org/NVQS/>>

AMSAT LM-1418 NJQRP #274 ARS #915
QRP-L #2276 Zombie #768 NVQS #002

Date: Thu, 12 Jul 2001 16:52:23 -0400
From: Jake Brodsky <frussle@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [102400] Re: Noise Figure to nV/SqrtHz Conversion?
Message-ID: <tf1sktgsja1rafmjmq9jkqurq88kjpbv8u@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Thu, 12 Jul 2001 13:11:23 -0700, Dan Tayloe, N7VE wrote:

>I am struggling a little bit with the determination of receiver Noise =
Figure (in db)=20
>and how that relates to the voltage noise as specified in nV/SqrtHz. It=
seems
>to me that both of these specifications are bandwidth independent, and =
thus
>there should be some mathematical relationship between the two. =20

Careful. I believe receiver noise figure *is* dependent on bandwidth,
whereas amplifier noise figure *is NOT*...=20

Think of it this way: noise figure of an amplifier is calculated by
comparing input to output noises with the same noise voltage measuring
setup. However the noise figure of a receiver must be done at
whatever bandwidth the receiver uses with different instruments (noise
on versus noise off). The effect of the noise is colored by this.

>If someone knows what it is, I would sure like to know. Low noise RF =
stuff seems
>to use Noise Figure, while audio op-amps tend to use nV/SqrtHz, and I =
would=20
>like to work back and forth between the two.

How about figuring the noise per octave and comparing the two?

>The whole idea of noise figure is a bit fuzzy to me. Part of the =
confusion concerns
>the source. Is the source modeled as signal plus 50 ohms system noise =
or simply
>as the signal? It seems to me that any source signal should be =

"contaminated" with
>the nominal 50 ohm source noise. =20

This seems to be what they drew in my Reference Data For Engineers:
Radio, Electronics, Computer, and Communications (7th ed.), page
34-10, Figure 11.

And yes, that resistor shows up in series with the signal generator.

>This quandary came about as I tested some receiver concepts against a =
simple noise model=20
>that I have build up for my receiver lineup. I came up with a =
theoretical configuration that=20
>gave an MDS less than 50 ohm thermal noise. I then realized that my =
calculations for=20
>receiver sensitivity did not include 50 ohm source thermal noise. It =
seems to me that in=20
>order for a receiver to pick up a signal, the signal needs to overcome =
both the system 50=20
>ohm thermal noise as well as the receiver internal noise level.

You may be on the right track.

Jake Brodsky, AB3A <mailto:frussle@erols.com>
"Beware of the massive impossible!"

Date: Thu, 12 Jul 2001 16:56:58 -0400
From: Pete Burbank <plburbank@kih.net>
To: kd1jv@moose.ncia.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102401] Re: Through thick and thin
Message-ID: <5.0.2.1.0.20010712164039.00a7f9f0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:30 PM 7/12/2001 +0000, Steven Weber wrote:
>I've been reading the list for a long time and all I can say, is if
>everyone one stayed strickly on topic, it would be rathier dull.

Steve, MY thoughts exactly altho once in a while there is a loose cannon on
deck. I was
wondering how your 6M transverter project was coming along. My thought was
to couple
it to my NC-20 and work 6M CW. I even looked up my grid number (EM-77). I
don't know
why I have lived this long without knowing my grid number : -) :-)

73 Pete Kentucky
South of Nonesuch and NE of Gravel Switch (honest!)

Date: Thu, 12 Jul 2001 16:53:41 -0400
From: "K. Babcock" <n8wvd@jackpine.com>
To: <fpqrp-1@mpna.com>, <qrp-1@Lehigh.EDU>
Subject: [102402] equipment manual followup
Message-ID: <000701c10b14\$bd938e20\$58cecad8@gorp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Harvey, N6Mm rightly pointed out that I neglected to mention the model of Simpson 260 I have. It is an early version with no series designation on the scale, and pin jacks.

Thanks!

Kent, N8WVD

Date: Thu, 12 Jul 2001 17:48:49 -0400
From: "ss lyon" <sslyon@megalink.net>
To: <hoglund@wfu.edu>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [102403] Re: Antenna Night (part 2)
Message-ID: <000901c10b1c\$6f871c80\$5d8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm for that... should be interesting to see what a vertical will do immersed deeply in the Maine woods. Got all the supports up to hang what ever vert. I want... up to 60' high. A regular embarrassment of riches.

Can't wait for "Lazy-H" nite. Got both 44' and 33' versions ready to rumble. Then there's the 15m Sterba Curtain.... yessssss!

72 / 73,

"Seab" Lyon - AA1MY
Bethel, ME 04217 USA
FN44nj

Date: Thu, 12 Jul 2001 22:03:12 +0000
From: alan.kaul@att.net
To: w6rcl@amsat.org
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [102404] I am sorry
Message-ID:
<20010712220313.LDXQ3208.mtiwmhc21.worldnet.att.net@webmail.worldnet.att.net>

I am sorry

- 1) that some of the people who said they were leaving the list didn't stay ...
- 2) that some of the people who insisted they were staying on the list didn't leave ...
- 3) and that the list manager didn't suspend everyone's list-posting-privileges for 72-hours or so, because the penalty for violation of unwritten rules on an unmoderated list ought to be suspension of list privileges for everyone ... call it a three-day cooling off period!

72/73 de alan

--
Alan Kaul W6RCL e-mail: w6rcl@amsat.org
<http://worldnet.att.net/~alan.kaul/index.html>

Date: Thu, 12 Jul 2001 17:14:33 -0500
From: "George, W5YR" <w5yr@att.net>
To: Dan.Tayloe@motorola.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [102405] Re: Noise Figure to nV/SqrtHz Conversion?
Message-ID: <3B4E2149.455B7A2A@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dan, possibly part of the problem here comes from the fact that "noise" in the r-f case is usually considered to be of uniform spectral intensity over the bandwidth of interest while the actual noise output of an audio system can be highly dependent upon the exact spectral response of the system.

When I did my graduate thesis - good Lord, was it 44 years ago, now? - I

ran into this problem in spades. I studied what I later termed the Doppler Intermediate Frequency (DIF) radar receiver architecture. It was/is a seldom used architecture that amounts to a direct-conversion receiver used in microwave pulse-Doppler radar systems.

Because of relative motion between the target and the radar, the target return carries a Doppler frequency component. In the DIF configuration, the spectrum of the received signal is that of the return pulses centered about the Doppler frequency as an apparent carrier. In comparison to conventional IF receivers of the time, the Doppler frequency played the role of the IF frequency, hence the name DIF.

This research was performed for the US Air Force in the interests of finding suitable applications for transistors in airborne radar systems. At that time, of course, transistors had very low gain-bandwidth products - I recall being provided by Texas Instruments with a pair of their experimental silicon units with the unheard-of value of 1 MHz!

The problem in characterizing the noise performance of the receiver with the concept of the conventional noise figure was/is that the definition assumes a uniform spectral intensity of noise within the passband of the receiver. Obviously, this was not the case in the DIF receiver since the noise contribution of the mixer stage was chiefly $1/f$ noise, as was the noise in the following video amplifier, which limited the detection performance of the receiver. Though Gaussian and otherwise well behaved, it still couldn't be properly defined by a noise figure since the noise figure would change with every change in band limits of the system.

To shorten an already too lengthy posting, I defined, for this particular configuration only, the "signal figure" which involved the unique spectral distribution of the noise process under consideration. I won't go into the terms of the definition, but needless to say, that characterization proved not only workable but highly useful in predicting the performance potential of the DIF architecture and in comparing it with more conventional receivers. The chief merit, of course, was that it allowed the thesis research to be successfully completed! <:}

My point, then, is that I suspect that linking conventional noise figure with the alternative characterization of $nV/\sqrt{\text{Hz}}$ may provide quite a tussle *without* taking into account the detailed spectral characteristics of the noise processes being compared.

The main reference that I recall using in those days was "Principles of Radar" by Reintjes and Coate. The discussion of noise figure was quite useful. Even more useful was the fact that Frank Reintjes was my thesis supervisor and Godfrey Coate was my daily fellow worker on the project!

With regard to one of your specific questions, our work did consider the

thermal noise arriving with the signal from the antenna, based upon the radiation resistance of the antenna, in calculating noise figure. Thus, I would say that you are correct in assuming that you should consider the noise contribution of the source in your model.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Tayloe Dan-P26412 wrote:

>
> I am struggling a little bit with the determination of receiver Noise Figure (in db)
> and how that relates to the voltage noise as specified in nV/SqrtHz. It seems
> to me that both of these specifications are bandwidth independent, and thus
> there should be some mathematical relationship between the two.
>
> If someone knows what it is, I would sure like to know. Low noise RF stuff seems
> to use Noise Figure, while audio op-amps tend to use nV/SqrtHz, and I would
> like to work back and forth between the two.
>
> The whole idea of noise figure is a bit fuzzy to me. Part of the confusion concerns
> the source. Is the source modeled as signal plus 50 ohms system noise or simply
> as the signal? It seems to me that any source signal should be "contaminated" with
> the nominal 50 ohm source noise.
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> that I have build up for my receiver lineup. I came up with a theoretical configuration that
> gave an MDS less than 50 ohm thermal noise. I then realized that my calculations for
> receiver sensitivity did not include 50 ohm source thermal noise. It seems to me that in
> order for a receiver to pick up a signal, the signal needs to overcome both the system 50
> ohm thermal noise as well as the receiver internal noise level.
>
> Reading the ARRL handbook on the subject of Noise Figure seemed vague and
> uninformative. This was unlike the receiver performance section which was excellent
> (Third order intercept, Blocking Dynamic Range, Spurious Free Dynamic range,

Minimum

> Discernable Signal, etc). Very clear and understandable.

>

> Also, does anyone have any inputs on their favorite (cheap?) very low noise HF RF

> preamp transistor? I picked up a National data book (not a highly RF centric company)

> and the best they carried had a 2 db noise figure.

>

> - Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Thu, 12 Jul 2001 18:17:48 -0400

From: "Ed Tanton" <n4xy@att.net>

To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>

Subject: [102406] Is it a full moon or something?

Message-ID: <CKEGICNFDIMCEKEDCEHFMEHPHMAA.n4xy@att.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Is it a full moon or something? Lighten up folks.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY

189 Pioneer Trail

Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;

SEDXC NCDXA GACW QRP-ARCI

OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 12 Jul 2001 17:52:46 -0500

From: "Patrick Cummins" <pcummins@misnet.com>

To: <qrp-l@Lehigh.EDU>

Subject: [102407] RE: Noise Figure to nV/SqrtHz Conversion

Message-ID: <0000001c10b25\$793e3520\$4bd194d0@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;
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Dan:

A good source of information on noise figure is from the Hewlett-Packard (now Agilent Technologies) application notes. If you have access to a company or university tech library you may find some there.

The best one appnote 57-1 "Fundamentals of RF and Microwave Noise Figure Measurements" is I believe out of print. Other useful ones are AN 57-2 "Noise Figure Measurement Accuracy" AN 1341 "10 Hints for making successful noise figure measurements" and AN 1354 "Practical noise figure measurements for low-noise amplifier designs"

You may find some of them at the agilent web site at www.agilent.com or contact your local HP office if there is one near you.

If you cannot obtain a copy of AN 57-1, I do have one and am willing to lend it to you. To do that please contact me off list. The note is about 40 pages long, and I am not sure about copyright protection so I don't want to copy it, but will lend it to you.

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End of QRP-L Digest 2248

